	MSALEKMVNNKESATKTVLVVPGELSTPGMASQNIYTQILDTTEI	
Myessoensis.XP_021350798.1_uncharacterized_protein	MDIQHLRKGKTTNVDLNPSRHRCLDNGIPIATIPLNKLDPDVRGMS	SVDSQSDVVIPQ
Avaga.UJR10076.1_hypothetical_protein_I4U23_014298	MTKKFTDYDNSGFVTDLQPYVINTRNGLVVTSKLRKN	EEEEDYDDDKDN
Avaga.UJR35986.1_hypothetical_protein_I4U23_028726	MTKVAVDTNDYELGELSSRRIQPVTEETQSVQISQTYENSGFVKDQ	IDAESGVIITTK
Egranulosus.XP_024352129.1_Solute_carrier_family_2	MSPKKTDDDIEVGYEKEVSDSEGSAFSDSSDSDYEESLEKPPDK	PMTEWVGDDFPN
Dmelanogaster.CNT2_concentrative_nucleoside_transp	MSAESSKGAINNGYELDHKELDIRDSEEFTEH	PLDDTSEVANKK
Dmelanogaster.CNT1_concentrative_nucleoside_transp	MAEPIEGEQEEKPPPSRAKRITYLVLHVLHIIFISYFTAA	TIIFIFYDKDSKECWPN
Aplanci.LOC110983407 solute carrier family 28 memb	MMNSDSTYLEEDGCGEKEAGPAETLPLRWEGLNSKSQA	RSSTDHAKIAID
Myessoensis.XP_021346669.1_solute_carrier_family_2	MDTHKNSISRTVSRDTISDGSEEPLVSQLLTNGKASVVVDV	DVLPEKKRSSER
	MGVRGDQTLTEDTTEPLVNDHVNSTGPGDGRRT	
Hsapiens.NP_004204.3 sodium/nucleoside_cotransport	MEKASGRQSIALSTVETGTVNPGLELMEKEVEPEGSKRT	DAQ
Cintestinalis.LOC100175376_solute_carrier_family_2	MGEKEEPIELEECDLEKG	EKVKLNEEVEPE
Cintestinalis.LOC100184618_sodiumnucleoside_cotran	MSKNDASMTSFSTIPEKTPEKLPNGESNQAFEDDDSVCKSDEK	QQIETAIQELKE
	MSRVRRVSGPVPSCHNEAKYSVDFFAKPNLPTSVEDLCAAEEADLNESALPLLPPNGNNGRDSFIVNIGDPNEDS	
	MINSETEVEMVIEEDLAAHREHLMICDEDKG	
Bbelcheri.LOC109471258_solute_carrier_family_28_me	MSKKPQSDDLQVGFDVTELSNLTPT	DHHDLEETETEV
Bbelcheri.LOC109476916_sodiumnucleoside_cotranspor	MEGKFQRRSSGKDVSAHSYQNPALSTEDIAMEPTKRDPE	RGVNDNVVDRLN
	MPAYTYKEVEHEEKPKDPEVFGQSADSITSQPPPYEDI	
Bbelcheri.LOC109468925_solute_carrier_family_28_me		
Aplanci.LOC110990438_solute_carrier_family_28_memb	MEYTTTYNPDSGNFSTTIDFPPEDSKSWGNFSPMTSKKPVSRALD	TEYGIPLNEVDN
	MPSESPNSKKPLVDVPSQASMQPLMKSDVSVNIPEGYASEGYLGSKATVVSSLDGSN	
	MGSMQRHDCASSAALGYVRMPKGSFELNDMK-TNGKERQVIVQDDVHDGATPGKQNTALDMPKASFELSDMK-ANGKERQVIVQDDVHDGATPGKQNAAVD	
	MDSNSPPIELSERKPKDTDEGPNIATPDHVGAKTGQKEVAVD	
Lanatina.XP_013392255.1_solute_carrier_family_28_m	${\tt MSGDRHPLMYNKGGQDDGLYGATSERDTLDTMSTESVELKGVKHSEDYENPAFAHSQESIAKSDVEAGNGHTIKNGGDRHPLMYNKGGQDDGLYGATSERDTLDTMSTESVELKGVKHSEDYENPAFAHSQESIAKSDVEAGNGHTIKNGGGDRHPLMYNKGGQDDGLYGATSERDTLDTMSTESVELKGVKHSEDYENPAFAHSQESIAKSDVEAGNGHTIKNGGGDRHPLMYNKGGQDDGLYGATSERDTLDTMSTESVELKGVKHSEDYENPAFAHSQESIAKSDVEAGNGHTIKNGGGNGHTIKNGGGNGHTIKNGGGNGHTIKNGGGNGHTIKNGGGNGHTIKNGGGNGHTIKNGGGNGHTIKNGGGNGHTIKNGGGNGHTIKNGGGNGHTIKNGGGNGHTIKNGGGNGHTIKNGGNGGNGHTIKNGGNGHTIKNGGNGGNGHTIKNGGNGGNGGNGHTIKNGGNGGNGHTIKNGGNGGNGGNGHTIKNGGNGGNGG$	HAYEDVTPEKVGPNVVDAGMVSTPI
	MPHVEVTVIDGSLKLPEIIELRGVPNQDSDSAYASSLETIDIADIESG	
	MPHIEVTVIDGSPKLPEIIELRGVPNQDSDSAYASSLETIDIADIESGGGT	
Myessoensis.XP_021376259.1_solute_carrier_family_2	MSTAGVELKTVKPLGHKNGDADSALGSSVGVDNVALKLED	EATTNDKTQKTT
Myessoensis.XP_021376258.1_solute_carrier_family_2		
	lâ 20â 40â 60â TVTINDGEMVPVSETKT-TERQKFSECIATYTAPVTKAT-KV	80ā TFPALFLAYVGYCM
Myessoensis.XP_021350782.1_solute_carrier_family_2	IGIQSISSIVELETVITEDDRTGMEKKFFID-KIFDGIQDTILEHKRILKQIT-YS	ILLLLYLAYVVYSL
Myessoensis.XP_021350798.1_uncharacterized_protein	AYELEDPDQMPTEDGLVIAEKVLFID-KIIYGIRVVILKHQKILKTIT-YS	ILLLLFLAYVAYSL
	IGFDKLTDEVQPSGLWIL-RFRKRIFKLIEQRKTTVIYGM-KI	
Avaga.UJR35986.1_nypotnetical_protein_14U23_UZ8726 Egranulosus.XP 024350707.1 Solute carrier family 2	LQGNDKEEEEEEDDDQNDNAGFEKLSGEGNKVGLVVL-KLRDAIFQFIRGQKTIFVYIL-KV LPNHPDNVGSILELLL-KI	GTI.VGDVTFVAYAV
Egranulosus.XP_024352129.1_Solute_carrier_family_2	KPKRQPRGLNILLQWYSNGRKFVCKKKP-IAEDVEPVCCDGIGGLCGLIF-LM	LIDIAYVAYCIVCN
Dmelanogaster.CNT2_concentrative_nucleoside_transp	GYFEKNPKVARLVRISI-YV	LLHLCVVGYFSYATYHYHDITNYEC
	RGSEATTESIDNSTEDDDDDDYDTEE-TSEKPVPEVKPKLLCQINWCHGYG	
Aplanci.LOC110983407 solute_carrier_family_28_memb	PTAEPENEVGSDPEDVDVTDVAPRQNGFNKRVE-KVDKAIKGFIRSHRQPIKWAV-YI	T.T.T.T.FVAYVTAAV
Myessoensis.XP_021346669.1_solute_carrier_family_2	EPTLITDTFGQLLD-YCSDTLDSCRSATQRWFNDAI-FI	ALVVAYIIYIAFII
	RVVEASDTFGTLFD-STSDSLSNCKKWTWHRFIDLL-YL	
	GHSLGDGLGPSTYQRRSR-WPFSKARSFCKTHASLFKKIL-LG	
	SDLSPAEISSWSEAAPKPFSRWRNLQPALRARSFCREHMQLFRWIG-TG VASQKNGRSCIGILL-IPVLFLKSFYSERKTVFKYIF-LG	
Cintestinalis.LOC100184618_sodiumnucleoside_cotran	QITDDDHEDLYFDESKVNPVVKILI-SPVKMLEELFNRYKRFIPIIV-VV	IIFLGVTAYMVVAL
	KKLMSSPDASKIEMNKDDDSDDEMDFVQTNPVLRCIV-LPIEMFSKFVTLNKRLILLIF-GA	
	VGIVIGDDSRDDRSVPSLSPLGIII-RVRRSCDRYFKKNKHRVNQAI-KV VTVEQDSPRNREHMEDDDEEMQQKGCLE-RRYDTVCGFCRKHKTTLRHII-WG	
	KNERTNPPHAYGNALTQVFS-NCIARCKTFLSTHNRTIKRLF-WG	
Bbelcheri.LOC109476916_sodiumnucleoside_cotranspor	SSLPSSDPPSYHEDDIDGEEEEEEEDQSRCMKGVS-MISEGIGNFVKKHNVVIWRVV-YA	VLGLGYLAFLIAAC
Myessoensis.XP_021376437.1_solute_carrier_family_2	QRINSGDLACAIDYGHEEDKTPSEDFNLFSSCI-RTHSTLTDFYRSRKAKICRGF-YA	FLAMAYVAYFVASM
Myessoensis.XP_U2I369//4.I_solute_carrier_family_2 Bbelcheri IOC109468925 solute carrier_family_28 me	TVTDFDEEPPTGRCALCVF-NIRQNVVSGLMSQRIQ1QRCV-II	IILCLYFAYFGYCM
	PAFDASKPVNAERSNGSSYDPERAVDETDGDDDQDGDSKLWMWLD-SNFGAVKDMYTEHHNIIWNFI-FI	
	KGGFDSDDSGSAESDDVISNCARLE-AVQGAVDTFLEEHKRTLEIIA-LV	
	KAFVHDEQCEEHTHKDVKISIYEDDGEDVEEAMFEELIEDGETSCLQNLE-KLQLAFSSFLNSHNKKLWLAL-YA KAFVHDEQYEEHTHKDVKISIYEDDGEDVEEAMFEELIEDGGTSCLQNLE-KLQSAISSFLNSHNKKLWLAL-YA	
	KAFVHDEQYEEHTHKDVKISIYEDDGEDVEEAMFEELIEDGGTSCLQNLE-KLQSAISSFLNSHNKKLWLAL-YA VLLRLQSQQQEEIEEVEEELFEDLDEDEPDCFHRNAA-KIQKTLSAFYQDHKNIFLWSF-YA	
Lanatina.XP_013392255.1_solute_carrier_family_28_m	AGDGDTPQTDGDNEFEDLEEEPPNGFYRGIA-AIQESFQAAYRQSGHIFWWVI-YA	LFLLGYLVYFSYAM
	VANDISEQDKQSHPEDGADSEDVMFEELVEEPPNGFFRGVA-IIQTTVSGTYATYNIGIWRAL-YV	
	VANDISEQDKQSHPGDRADSEDVMFEELVEEPPNGFFRGVA-IIQTSVTETYATYNIGIWRAI-YV PSFYKNVVTGQEKEVDTFQVSKSEDVKDGDDDNDNDSVTGCPRCVG-AIQNHLGDLYTSHKTVIRNIF-YV	
Myessoensis.XP_021376259.1_solute_carrier_family_2	NGVPAPAVEFEQTTGFVY-HLQTSVRTTYNTYNNGIWTCV-NV	ILLVLYFIYFGFAM
Myessoensis.XP_021376258.1_solute_carrier_family_2	MDRKKSQRMLDAL-RM	PVVIGTALFIV
Myessoensis XP 021375138 1 solute carrier family 2	lå 120å 140å 160å -TVEFGSENSLRLLIGTILWYLLLSWNLIKKWKWFANIYADLRQVKCQGRMQLKIRK	180â YIRWG
	-SF-RFGDEGSWRLLICTILLLMYSGR-GIIKKLSLYQLFEKTFGSKNPENIVKMKK	
Myessoensis.XP_021350798.1_uncharacterized_protein	-SFRFGDEGSLRLLVCTILLLMYLGW-GIIKNVSLYRAFKKSLGSKNPENITKAKK	IVRWT
	-SEKFGTPPFPIRGNIFYGNSGFAFLFLVLFSLFVFAWEKFLGRLLEHWYDQLPIASKEHEIY-	
	-SSRYGTPAFPIVGNVFSGNAGFALFFLVAFAIFVIAWEKILGRLLENFINYLTTSTNNTTGGKRITA KVRRQEAEADITLLWMSTIFWLILLWLIFKHLKVLGKERGGCFHFFVCLADRF	
Egranulosus.XP_024352129.1_Solute_carrier_family_2	KLATEDDIRLVWLSAIVWLVILVKICHRLSRLGRLVGGCFTPFGVLGDKISEGWTNFKGRLVGGCFTPFGVLGDKISEGWTNFKGRLVGGCFTPFGVLGDKISEGWTNFKGRLVGGCFTPFGVLGDKISEGWTNFKGRLVGGCFTPFGVLGDKISEGWTNFKGRLVGGCFTPFGVLGDKISEGWTNFKGRLVGGCFTPFGVLGDKISEGWTNFKGRLVGGCFTPFGVLGDKISEGWTNFKGRLVGGCFTPFGVLGDKISEGWTNFKGRLVGGCFTPFGVLGDKISEGWTNFKGRLVGGCFTPFGVLGDKISEGWTNFKGRLVGGCFTPFGVLGDKISEGWTNFKGRLVGGCFTPFGVLGDKISEGWTNFKGRLVGGCFTPFGVLGDKISEGWTNFKGRLVGGCFTPFGVLGDKISEGWTNFKGRLVGGCFTPFGVLGDKISEGWTNFKGRLVGGCFTPFGVLGDKISEGWTNFKGRLVGGCFTPFGVLGDKISEGWTNFKGRLVGGCFTPFGVLGGNGGGGFTPFGVLGGNGGGGFTPFGVLGGNGGGGFTPFGVLGGNGGGGFTPFGVLGGNGGGGFTPFGVLGGNGGGGFTPFGVLGGNGGGGFTPFGVLGGNGGGGFTPFGVLGGNGGGGFTPFGVLGGNGGGGFTPFGVLGGNGGGGFTPFGGVLGGNGGGGFTPFGVLGGNGGGGGFTPFGVLGGNGGGGFTPFGGVLGGNGGGGFTPFGGVLGGNGGGGFTPFGGVLGGNGGGGGFTPFGGVLGGNGGGGGFTPFGGVLGGNGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	DSIHNRWQSMWDKIDPNEKTQKKKK
	YWKDNPLCGINFCTGYGMLLLLLGFIYLGLFYYYVFKPMVGHSLHRNYIKPFSKKWHNFSRTR-	
	-WLYWVFKPFVGIKLYNNYLEPVIDKWIAF	
Myessoensis.XP_021346669.1_solute_carrier_family_2	VFDTSTAFWTCVDLVLVFLAVVHRFWGIATLLSHVTTPLLEIRRRHCFFSQKRRFWGIATLLSHVTTPLLEIRRRHCFFSQKRRFWG	TLAGKL
	-IYDPSSAFLSVVDATLVVLFVLH-RFIRLQDIAKFIAKPIRFRILARKRCRIKTKIWR-	
	-ILNFQRALALFVITCLVIFVLVH-SFLKKLLGKKLTRCLKPFENSRLRL	
Cintestinalis.LOC100175376_solute_carrier_family_2	ARDPLAAKPLIILTLVILFLVLY-ELRFKKLFLLFFKQIKSKVHIKKETKNK	ITRFL
Cintestinalis.LOC100184618_sodiumnucleoside_cotran	IWNFNRALTLMVIWLVVVAYNIY-AFIRDYFGNDLMPYLKPVYKTVNKN	-MFWLQWV
	-IT-NFQRALTLLVIWLVVVVYNMY-ALLRDNFGDSITHHMRPVFKSCGRN	
	-TYKFGDEGSVKLMVGIVLVILGYVV-KIVFVKIGFFVSSSLQSIKCVIKIIRHLQK -VLNFHRALPLFVITVAAIFFVVW-DHLMAKYEHRIDEMLSPGRRLLNSHWF-	
Bbelcheri.LOC109471258_solute_carrier_family_28_me	- VL - NFCRSFA LLIMTLVVLAYVMY - AH VRDRWGPKIRQ NYLKPCVRTVKPS WR WR - WR	YLKWL
	-VI-NFCRAFALLIITLVVLVFVVY-GLIRDKWGKTIYKSCLKPASGGVMKVWKVLCQTQGFRDPTPLIVLTCVVVVVITL-GFIEGHFGERIQTTVIQPMENFFNGKKG	
ryessuensis.ar_uzi3/643/.i_solute_carrier_family_2		
Myessoensis.XP_021369774.1_solute_carrier_family_2	-YFRFGDEGSIRLLVCTVFGVLLAFS-LLVAGRTNQRRRLWERSLKPCVTSRAGR	CHAIFSLL

```
Aplanci.LOC110990438_solute_carrier_family_28_memb -LY--DFQEAMI--
                                                                                                             -LVIITGIALGLYMY-SV--
                                                                                                                                                 -IRDFYGKQIYD---VTCKPGGRFVDKY-
 Lanatina.XP_013410730.1_solute_carrier_family_28 m -VL--DFERATA------LFVITLLVVISVAY-AL-----IKKQIGGWMNT---RIFKPVQKFGNSN------RR-----VLKWV------
-LKPRLK-----
-VMSVLGNNVDQ--
                                                                                                              -LLVITIITVVLVAL-TI-
                                                                                                                                                                         -VGEALAKFGETR-
 Lanatina.XP_013392255.1_solute_carrier_family_28_m -YY-
                                                                                         -RFGDEGSVR-
                                                                                                                                                                                                 --AWN-
-IWHYCEASLTS---YIGEPVMNFLKTA-----YWRWF----
                                                                                                                                                  TWRYCEASITS---YIGEPVMNFIKTA-----YWRWI.-----
                                                                                                                                                 200â
                                                                                                                                                                             260â
                                                                                                                                             240â
                                                                                                                                                                                                             280â
                                                                                         270a 240a 250a 280a
-LYITMLVVVG-SLVGTSIAKGNFRNLVSLGGLIVFLLLLYVTSVDRSNISWHSVFWGFGIQFTLAILVLYTSGKDAVVWCSRRLTELLAHSAK
-LYFVVLTLIA--VYIGLTVIQTRPRNLVSLGGIFVFIFILFLMSNNKANINWHTVFWGLSLQFGFALIVLHTEWGINAVRWITDRFLEFIVFADN
-LYFVVLTLIA--VYIGLAVIQTRPRNLVSLGGIFVFIFILFLMSNNKANINWHTVFWGLSLEFGFALIILRTEWGIGAVNWTTDRFLEFIAFSDT
Myessoensis.XP_021375138.1_solute_carrier_family_2
Myessoensis.XP_021350782.1_solute_carrier_family_2
Myessoensis.XP_021350798.1_uncharacterized_protein
Avaga.UJR10076.1 hypothetical protein I4U23 014298
                                                                                         -WHLSVATAIA--LYVGFTV--TRPRNYVSLIGIVILILLGTLGSKYPHRIRWKTVFYSFVIQFLLATIVIRSEFGFRFFEFLGKEVSKFMHNADA
                                                                                 Avaga.UNR35986.1_hypothetical_protein_I4U23_028726
Egranulosus.XP_024350707.1_Solute_carrier_family_2
Egranulosus.XP_024352129.1_Solute_carrier_family_2
Dmelanogaster.CNT2_concentrative_nucleoside_transp
Dmelanogaster.CNT1_concentrative_nucleoside_transp
Damatina.XP_013392196.1_solute_carrier_family_28_m
Aplanci.LOC110983407_solute_carrier_family_28_memb
Myessoensis.XP_021346669.1_solute_carrier_family_2
Myessoensis.XP 021346672.1 solute carrier family 2
                                                                                          -VTILVFLAII--IFLAIDLR-ADTERLVSLGGLCLLVFIVFITSKAPSKVCWTPVLWGLILQFVWGLMILRWKPGYEICKFVGDGMAGFLSFTDE
Hsapiens.NP_004203.2_sodium/nucleoside_cotransport
Hsapiens.NP_004204.3_sodium/nucleoside_cotransport
Cintestinalis.LOC100175376_solute_carrier_family_2
                                                                                         -FAGVSIVGLI--IMIALDIA-QRPEQLIPFAGICMFILILFAGSKHHSAVSWRTVFSGLGLQFVFGILVHRTDLGTTVFQMLGEQVQIFLHYTVA
-LALAAFLGLV--IWLSLDTS-QRPEQLVSFAGICVFVALLFACSKHHCAVSWRAVSWGLGLQFVLGLLVIRTEPGFIAFEWLGEQIRIFLSYTKA
-PYVQILICVAFCIWLLVDMIIRNPSTLISVVGFIVILVVCICASTQPKCINWRPVIWGIGLQFILGLVVLRTSAGYTAIKFIGDQIATFMKYTDS
Cintestinalis.LOC100184618 sodiumnucleoside cotran
                                                                                         -FVACVVGGLA--TWIAIDTS-KRPEOLISGAGYLVFLFILFLTSKHPERVRWRPVFWGLLIOVCLGMFILRTOAGFDAFNWLGNIFOTFINYADE
Cintestinalis.LOC100187062_sodiumnucleoside_cotran
Myessoensis.KP_021365661.1_solute_carrier_family_2
Hsapiens.NP_001186562.1_solute_carrier_family_28_me
Bbelcheri.LOC109471258_solute_carrier_family_28_me
                                                                                         -FVALVVAGLA--TWIAIDTS-KRPEOLISGAGYLVFLFGLFITSKYPSRVIWRPVFWGLFIOVCLGMIILRTOAGFDAFNWLGSLAOTFINYVDA
                                                                                          Bbelcheri.LOC109476916_sodiumnucleoside_cotranspor
                                                                                          -IYLGILVGIG--LFLGLETG-KOPDQLISLVGYLGIILCLFIFSKSPGKVKWRPVLWGLSLQFLLGLFVLRTSVGYDVFKFLGDKFQGFLAFTDD
Myessoensis.XP_021376437.1_solute_carrier_family_2
Myessoensis.XP_021369774.1_solute_carrier_family_2
Bbelcheri.LOC109468925_solute_carrier_family_28_me
Aplanci.LOC110990438_solute_carrier_family_28_memb
                                                                                         -FLICOLVAIV--VIIGTSVW-VRPHRATSMIGITVLLLMMLLFSAHPTKVNWRPVAGGGLLQFFFASLILKLSVGYTAFKFLGDKIQIFLSFINT
-LKIAVFCVIA--AYIIFDVAIDHFQNLIAVAGQAIYIIIFFVFSISPAKVRWHTIFWGFALQYILALIILKQEWGFQIFKYLGDRVGGFLQHSDA
-FYVLCLIGLI--LWIALDTA-RNTQNLISGGGLIMVIFLVIFSKHPDHVKWRFVLWGLALQFIFGLILLRTQVGFDVFKFMGEKFQSFIEYADV
-LYLLILAGVA--VALVFLTK-DNFVQLISAGGLVAFILFCYVFSKHPRHVKWRFVIWGLALQFILGEITLEKTSIGFEFNFLGDVVQFFLEFTDA
Lanatina.XP_013410730.1_solute_carrier_family_28_m
Lanatina.XP_013418918.1_solute_carrier_family_28_m
Lanatina.XP_013390240.1_solute_carrier_family_28_m
                                                                                          -SAAVLLACFI--TFVIVDIK-PAPKOFISLGGLALFVLLMFVFSKHPSKVDLRPVVWGFALOFLFGILILRTTWGYDAFRFLGKEINOFLKYTDY
                                                                                          -SARA VLANCI — "I YVIVI-" RAVI ISUSSILAR VLANEV SARR SKVUMER VV WOFRING ID VILLET INGIDER RE USBEING ENT ID I
I-GUNANCGUV — AVLILEVALKQPRNILYSGIGIIVYVSLLWIFSKNPARVKWRPVLVGLLLQFTFALLILRTRWGFEIFNWLGARVAEFLAHTEA
-FYIIATLVIA — SIIIAEVAVKKPANLMSGVGIIVYVAVFFIFSHNPAKVKWRPVFMGLLLQFIFALIILRTESGFHSFMWLGDRVSEFLDHTNF
Lanatina.XP_013389091.1_solute_carrier_family_28_m
 Lanatina.XP 013392255.1 solute carrier family 28 m
                                                                                         -LCVLLLVALV--VYIVVEVAIPNPYNLVSITGMLVYIILLFVFSSNPARVKWOPVIWGMALOFIFALLILRTSWGYOAFKWLGDRVTEFLAHSDA
340à 360à 380à 380a
KNYKQFYFAFGLLPKVIFFVAMVRVLTHLGVLSFINRNLGTFLSFCTGTSNPESICAAANVFVGGQQAI
 Myessoensis.XP_021375138.1_solute_carrier_family_2 GSEFVFG-
                                                                                                                                   -EKYKEFKVIFKVVPSVIVFCAFVAVLSYLGVLAFIFSNLGCVLGYCLQTHPLESINAVTNIFMSGIESL
Myessoensis.XP_021350782.1_solute_carrier_family_2 GSAFIFS--------
Myessoensis.XP_021350798.1_uncharacterized_protein GSAFIFS-------
                                                                                                                                   -KRYKEFNLIFKVVPSVIVFCSAIAVLSYLGVLAFIISNLGGFLGYCLOTNPVESMNAATNIFMSGIESL
-KTIEBHFPVFKLTSIIIFLGSIINVLYYLGVMQYIIGKIAMSMQKCLMTTAAESMTAAANIFVGMSEAP
-ESYEDHFYVFKVTSIIIFLGSVINVLYYLRVMQYIIGKIAMIAMCKLMTTAAESMTAAANIFVGMSEAP
-DLFQVECFAIKVLPLVVFFSSFISIMFHLGWVQQFIIQPSNFTRHIMGTTGPEAINAITNIFLSMMEAP
Egranulosus.XP 024352129.1 Solute carrier family 2 GSSFVFG------
Dmelanogaster.CNT2_concentrative_nucleoside_transp
Dmelanogaster.CNT1_concentrative_nucleoside_transp
Lanatina.XP_013392196.1_solute_carrier_family_28_m
                                                                                                                                  --FLVNNNVPAFAILPVIFFFSFFISILYYMGTMQWVVIKLGWILQQILGTTVCESVTAAANIFIGMSES
--RICDEVVPAFAILAVVFFFSVITSIMYYLGMWQFILNGFGFLLQAWVGTTVCESVWAAGNVFLSWTESP
--PGYKMHEVAFQILEFIIFYSAVINVLYYYGAIQWMYKWAMALMQVTMKITFIEALHTAASIFLGQVETG
--APLSNHEILLTVLPVIIFTSSVFALMYYWGVMQTLIRGLAVIMQFTMDVSGAESFATASNIFVGMTVAP
                                                                                  GAEFVFGD-----
                                                                                  GARFVYGD-----
Aplanci.LOC110983407_solute_carrier_family_28_memb
                                                                                  GAEFVFGP---
-KNYTMHVVAFKILPVVVYFSAVVSILYYWGVMOIVIKGLAKLFOYTMKTTAVESFATAAHIFIGOVVST
                                                                                                                                   -KNYTMIWVAFKALDEVVVYFSAVVSILYYWGYMQFIIKGLAKLEQYTMKTTALESFATAAHIFIGQUESS
-DTLVKDVFAFQALPIIIFFGCVVSILYYLGLVQWVVQKVAWFLQITMGTTATETLAVAGNIFVGMTEAP
-EALVKDVFAFQVLPIIVFFSCVISVLYHVGLMQWVILKIAWLMQVTMGTTATETLSVAGNIFVSQTEAP
                                                                                                                                  --YLPSDHIFAFKVLPMIVFFSMVTNMLFYVGLMQWFIAKLAYLTQITLGTSAIESAVAIANIFVGMTEAP
Cintestinalis.LOC100184618_sodiumnucleoside_cotran
Cintestinalis.LOC100187662_sodiumnucleoside_cotran
Myessoensis.XP_021365661.1_solute_carrier_family_2
Hsapiens.NP_001185562.1_solute_carrier_family_28_m
                                                                                                                                   -DDFADHYFAMKVLSIVIYFGAFISVMYYIGAMQWLIFKIAFLMQITLGTSATESMVAAGNIFVSMTESP
-KNYLDHAFAFKVLFIVIYFSAFISILYYLGAMQWLIFKIABLMQMTLNTSATESMVAAGNIFVGQTESP
-PALDQHLFAFYVLPVIVFSATISVLYYLGMIQVLIRGIAVVMEHSLGISAMESLHAAFNIFVGWAETI
-EKYKDHFFAFKVLPIVVFFSTVMSMLYYLGLMQWIIRKVGWIMLYTTGSSPIESVVASGNIFVGQTESP
                                                                                  GARFI.YG-----
                                                                                  GASFVFG-----
                                                                                 GANFVFG---
Bbelcheri.LOC109471258_solute_carrier_family_28_me GSQFVFGDLPVVTSPSGNLT-----DLTLTRAYLVHNVAFQVMPTVVFFATVTSLLYHLGWMQFVIHKLAWLMQLTLGITGPEAVSAAGSIFLGLTDCA
Bbelcheri.LOC109468925 solute carrier family 28 me GSKFVFG-----
                                                                                                                              ----EKYTDHFFAFKVLPIIVFFSSVMSVLYYIGLMQVVIVKMAWLLQRTMETSSPESINAAGNIFVGQTDAF
Aplanci.LOC110990438_solute_carrier_family_28_memb
Lanatina.XP_013410730.1_solute_carrier_family_28_m
Lanatina.XP_013418918.1_solute_carrier_family_28_m
                                                                                  GSEFVFG-----AGFOEHFFAFKVLPVVTYFSACTSTFYYLGVMOVVTAKLAWLMOKTMHTSASESLNAAGNTFVGOTEAF
                                                                                                                                  -AGYQBHF AR AVLEVVITESACISITITUGVBQVVIAALARDBYQLBH ISASSSARAAGHIFVQQTEAP
-KLYENHEFAFAVLPVIVFESCAISALYHVGAMQFIIGKIARVMQVTHAATAETSLSCAGNIFVQQTEAP
--NLEPHYFAFAILPIVVFFSSCVSVLFYLGAMQWLIGKVAWVRVAMGTTAAESMNAAANIFIGQSEAP
--NLEPHYFAFGILPIVVFFSSCVSVLFYLGAMQWLIGKVAWVMRVAMGTTAAESMNAAANIFIGQSEAP
                                                                                 GSEFVFG------GAKFVFV------
Lanatina.XP 013390240.1 solute carrier family 28 m GAKFVFV-
Egranulosus.XF_024352129.1_Solute_carrier_family_2 blark msgwinsblandrywworfandrywwyn mae'r mae'
Lanatina.XP_013392196.1_solute_carrier_family_28_m VMFRPFWQRLTQSELCACMTGGFTTIAGTVIAAFIAFGASPEHLISASIMSAPAAMAIAKLGFP-ETETSH-------TKTEED-VQM
Aplanci.LOC110983407_solute_carrier_family_28_memb LAIKPYLNDMTESEMYAVIVGGFATIAGSVLALFIAFGISASHLLAASFMSAPAALVTAKMSLP-ETKAPK-------TASSAN-IKT
```

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Hsapiens.NP_004203.2_sodium/nucleoside_cotransport LLIRPYLGDMTLSEIHAVMTGGFATISGTVLGAFIAFGVDASSLISASVMAAPCALASSKLAYP-EVEESK-
Hsapiens.NP_004204.3_sodium/nucleoside_cotransport LLIRPYLADMTLSEVHVVMTGGYATIAGSLLGAYISFGIDATSLIAASVMAAPCALALSKLVYP-EVEESK-------FRREEG-VKL
Myessoensis.XP_021365661.1_solute_carrier_family_2
Hsapiens.NP 001186562.1 solute carrier family 28 m LLVRPYLPYITKSELHAIMTAGFSTIAGSVLGAYISFGVPSSHLLTASVMSAPASLAAAKLFWP-ETEKPK------ITLKNA-MKM
Lanatina XP_013390240.1_solute_carrier_family_28_m LVIRPFLAKMTRSELHAVMTGGYATIAGSVLGAFIAFGVPANHLLSASVMSAPAALAMAKLFYP-ETRVSI------TTMADI-RNI
Lanatina XP_013389091.1_solute_carrier_family_28_m LMIRPLLPKMTNSELHAVMTGGFATIAGTVLGAFIGFGVPANHLLSASVISAPAALAMAKLFYP-ETKKSK-------TTVQDI-ENM
Lanatina XP_01339255.1_solute_carrier_family_28_m LMIRPLLPMNTKSEHHAVMTGGFATIAGSVLAAYILFGVPANHLLSASVMSAPAALAMKLFYP-ETKKSK-------TTAAAV-SAM
Lanatina XP_023930717.1_solute_carrier_family_28_m LMIRPLLPNMTNSEHAVMTGGFATIAGSVLAAYILFGVPANHLLSASVMSAPAALAMAKLFYP-ETKKSK----------TTSKDI-QVM
Lanatina.XP_013421719.1_solute_carrier_family_28_m LMIRPLLPNMTNSEIHAVMTGGFATIAGSVLAAYIIFGVPANHLLSASVMSAPAALAMAKLFYP-ETKKSK-------TTSKDI-QVM
-GKIFSYCLWPLAFVMGIDAIDCLK
-QKIFSYCLWPLAFIMGIDAIDCLK
-QFLLGLIFYPFSIIIGIPFHDCLL
                                                                                                                                                                                                                        OSILGFLFYPFALIIGIPSKDCLL
                                                                                                                                                                                          ODLTFEGSVCFVLRLYTAELIFAYLLWLLAFGMGVPAEDCFK
-EVVFSYLLWPIAFTMGVPSVDCLK
-EWIFSKLFIPLVWAMGVPKEDCDI
-LYILSQIFIPIVFVMGVPWHDCQA
                                                                                                                                                                                           -NITL--
 Lanatina.XP_013392196.1_solute_carrier_family_28_m
                                                                                       APPPERSLVEAVCNGMLAAIKLTAVVAAGLITFLSLVEAMDTILGYLGDLVDVP
                                                                                                                                                                                           -DVNF-----
                                                                                                                                                                                                                        -QLICSYVFSPLAVVIGTDWQDALI
Aplanci.LOC110983407_solute_carrier_family_20_m
Myessoensis.XP_021346669.1_solute_carrier_family_2
Myessoensis.XP_021346672.1_solute_carrier_family_2
                                                                                      AKALESNALEAMYVGAITGLKICAYTIGNLVAITSVLAFTNSALAMUGGLVDIE-
NVGNEHNVMEAASAGALTAIKLISYVTVALIAFISLLAFLDYFLSFMGSRVGHP-
EVGKELNLMEAASAGAVASIKLVSYVVVALIAFISLLAFINFSFSFMGERVGHP-
PRGKERNVLEAASNGAVDAIGLATNVAANLTAFLAVLAFINAALSWLGELVDIQ-
                                                                                                                                                                                           -NI.SF-----
                                                                                                                                                                                                                        OLICRYVLYPLAWLLGVDGADCLV
                                                                                                                                                                                                                        QHLCKYVHTH HAWHIGVDGADCHV
-QFLCSYTFMPLALVMGVRWQDCGK
-EFLCSY1FMPLALVMGVRWQDCGK
Hsapiens.NP_004203.2_sodium/nucleoside_cotransport
Hsapiens.NP_004204.3_sodium/nucleoside_cotransport
Cintestinalis.LOC100175376_solute_carrier_family_2
Cintestinalis.LOC100184618_sodiumnucleoside_cotran
                                                                                                                                                                                           -GLTF----
                                                                                                                                                                                                                        -QVICSYLLRPMVFMMGVEWTDCPM
                                                                                       TYGDAONLIEAASTGAAISVKVVANIAANLIAFLAVLDFINAALSWLGDMVDIO-
                                                                                                                                                                                      ----GLSF-----
                                                                                                                                                                                                                        -OLICSYILRPVAFLMGVAWEDCPV
-EVICSYLFMPVAFLMGADWEDCFI
-QMICSYVFMPITFLMGISWTDCFK
                                                                                                                                                                                                                        -ELICSYIFMPVTYLMGIAWKDCFK
                                                                                                                                                                                                                        -OLICSYLFWPLVFLMGVEPADCHV
Hyspiens, NP_001186562.1_solute_carrier_family_28_mesgnsquarenspaces and the state of the state 
                                                                                                                                                                                                                        -ELTCSYTEMPESEMMGVEWODSEM
                                                                                                                                                                                                                        -QTICSYVFMPLAFLAGVPWEDCRV
-ETICSYVFMPLAYVMGVPWEDCPV
                                                                                                                                                                                                                        -QMICSYLLMPVAYLMGVDWNDAGV
Myessoensis.XP_021369774.1_solute_carrier_family_2 EKAKERNIIEAATAGATASTKLVAATAVNIIAFLSLLINFVNATLVMCGERAGIE---
Bbelcheri.LOC109468925_solute_carrier_family_28_me GKGEERNVIEAVAQGAQIAITLVANIAVNLISFLALLAFFNGILSWIGCMVGYD---
Aplanci.LOC110990438_solute_carrier_family_28_memb PKGEERNIIEAASTGASTAIMLALNIGANLIAFLALLALFNGLLGYLGEKVGID---
                                                                                                                                                                                         --GFTL----
                                                                                                                                                                                                                        -EFICSYVFFPVAFFMGTDVADCRK
Hyessoelists.x=26130974.1_Solute_carrier_family_2 EXAMENNIEANIAGATASTADVARTAVATAR EDEBROGET VARIATION EN STATEMENT STATEMENT AND ADDRESS OF THE TABLE OF THE PROPERTY OF THE P
                                                                                                                                                                                          -TI.SF----
                                                                                                                                                                                                                        -ETTCSYVEMPLAFIMGVEWKDCRI
                                                                                                                                                                                      ----EFSF-----
                                                                                                                                                                                                                        -QMICSYLFMPVAFMMGVDWEDCSF
Lanatina.XP 013418918.1 solute carrier family 28 m EKSPERNALOAASNGASNSVKLVANIAVNLIAFLALLDFVNGTLTWMGNRVGLE-----KLTV-------
                                                                                                                                                                                                                        OIICSYVLWPFAFVMGTDTVDCRK
QIICSYVLWPFAFVMGTDTVDCRK
Damatina.XP_013392196.1_solute_carrier_family_28_m Aplanci.LOC110983407_solute_carrier_family_28_memb Myessoensis.XP_021346669.1_solute_carrier_family_2
                                                                                       Myessoensis.XP_021346672.1 solute carrier family 2
Hsapiens.NP_004203.2_sodium/nucleoside_cotransport
Hsapiens.NP_004204.3_sodium/nucleoside_cotransport
Cintestinalis.LOC100175376_solute_carrier_family_2
                                                                                       Myessoensis.XP_021376437.1_solute_carrier_family_2
Myessoensis.XP_021369774.1_solute_carrier_family_2
Bbelcheri.LOC109468925_solute_carrier_family_28_me
                                                                                       VGELIGVKTFLNEFIAYSELATYIKNRELC-------------------------LVGTS--MS-VRSEVIATYALCGFSNLGS
                                                                                       IABLIGVKTFINEFIAYQKLAVVISNGDALANY------TSFFNNTAHWYWNNGNVIL--NNTRQELVGGV-IS-SKSEVIATYALCGFSNFGS
VAELIGIKTFLNEFVAYEALAKIIKNRVNGVVGAATMSVRSEVIATYALCGFSNLGSMGIMLGGLGAMAPNRVGDLAEMV-VRSEVIATYALCGFSNLGF
Lanatina XP 013392255.1 solute carrier family 28 m VAELIGVKTFLNEFVAYDYLGKLIKNKEIFONY-----TSHNYTEPPEYIFDDIFL--PATNOTLVGGF--LT-PRSEVIATYALCGFANLGS
Lanatina.XP_023930717.1_solute_carrier_family_28_m VAELIGKTFLNEFVAYDALGKLINNRDILGSY--------TMONIFTEGPQYIFDDIFL--PAINQTLVGGV--IT-PRSEVIATYALCGFANLAS
Lanatina.XP_013421719.1_solute_carrier_family_28_m VAELIGKTFLNEFVAYDALGKLINNRDILGSY--------TKQNFTEGPQYIFDVIFL--PAINQTLVGGV--LT-PRSEVIATYALCGFANLAS
Myessoensis.XP_021374214.1_solute_carrier_family_2 VAELVGIKTFLNEFVAYTALSTYIKNAQNLSWYEGLAHSNNTNITSGVFNATWRYDNGDIVY---DDLNITLIGGV--LS-ERSVVISTYALCGFSNISS
Myessoensis.XP_021375138.1_solute_carrier_family_2 LGISIGSISVLAPKYIGAVTKFAPRAVIVGTIACYFTACVAG--
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	VWISIGSFVALAPSRLGELPRMAIRALIAGTIASYLTACVAG-	
Myaccoancie VD 021350798 1 uncharacterized protein	VGITLGSFAVLAPGRVGELSKLAMRGLIAGTIASYLTACVAG-	
Avaga.UJR10076.1 hypothetical protein I4U23 014298		
Avaga.UJR35986.1_hypothetical_protein_I4U23_028726		
Egranulosus.XP_024350707.1_Solute_carrier_family_2		
Egranulosus.XP_024352129.1_Solute_carrier_family_2	IGIMLGAMVSMLPHRRQDLSRMVLAGMVGGTIACFLTGCFAG	
Dmelanogaster.CNT2_concentrative_nucleoside_transp	LGILIGSLSAMAPHRRSTITAVAFRAFVVGSIVCFVSASFAG	
Dmelanogaster.CNT1_concentrative_nucleoside_transp		
Lanatina.XP_013392196.1_solute_carrier_family_28_m	IGIYMSSLITIEPRKKENIVDVAVRAMVYGNIACMMTASMAG	
Aplanci.LOC110983407_solute_carrier_family_28_memb	IGVMMGGLIPLVPHRKSEVSRLCVRALLASCVALFMTASIAG-	
Myessoensis.XP_021346669.1_solute_carrier_family_2		
Myessoensis.XP_021346672.1_solute_carrier_family_2		
Hsapiens.NP_004203.2_sodium/nucleoside_cotransport		
Hsapiens.NP_004204.3_sodium/nucleoside_cotransport		
Cintestinalis.LOC100175376_solute_carrier_family_2		
Cintestinalis.LOC100184618_sodiumnucleoside_cotran	VGIILGGLGIMAPHRRGEMAKIVIRALIAGIFVSLLNACVAG	
Cintestinalis.LOC100187062_sodiumnucleoside_cotran	LGIMLGGLGSMAPQRQGEMAKIVIRALIAGIFVSILNACVAG-	
Myessoensis.XP_021365661.1_solute_carrier_family_2		
Hsapiens.NP_001186562.1_solute_carrier_family_28_m		
Bbelcheri.LOC109471258_solute_carrier_family_28_me		
${\tt Bbelcheri.LOC109476916_sodiumnucleoside_cotranspor}$		
Myessoensis.XP_021376437.1_solute_carrier_family_2		
Myessoensis.XP_021369774.1_solute_carrier_family_2	IGILLGAMGAIVPTRKRDLTRMVVRAMISGTVACFLTACIAG-	
Bbelcheri.LOC109468925_solute_carrier_family_28_me		
Aplanci.LOC110990438_solute_carrier_family_28_memb		
Lanatina.XP_013410730.1_solute_carrier_family_28_m		
Lanatina.XP_013418918.1_solute_carrier_family_28_m		
Lanatina.XP_013390240.1_solute_carrier_family_28_m		
Lanatina.XP_013389091.1_solute_carrier_family_28_m		
Lanatina.XP_013392255.1_solute_carrier_family_28_m		
Lanatina.XP_023930717.1_solute_carrier_family_28_m		
Lanatina.XP_013421719.1_solute_carrier_family_28_m		
Myessoensis.XP_021374214.1_solute_carrier_family_2		
Myessoensis.XP_021376259.1_solute_carrier_family_2		
Myessoensis.XP_021376258.1_solute_carrier_family_2		
80	â 820â 840â	860â 880â
Myessoensis.XP_021375138.1_solute_carrier_family_2		
Myessoensis.XP_021350782.1_solute_carrier_family_2		
Myessoensis.XP_021350798.1_uncharacterized protein		
Avaga.UJR10076.1 hypothetical protein I4U23 014298		
Avaga.UJR35986.1_hypothetical_protein_I4U23_028726		
Egranulosus.XP_024350707.1_Solute_carrier_family_2		FGESLKQRVRSEINGDFKICLLSSFDDQSHADARALFKAMSGISTHDKTLMEVICT:
Egranulosus.XP_024352129.1_Solute_carrier_family_2		
Dmelanogaster.CNT2_concentrative_nucleoside_transp		
Dmelanogaster.CNT1_concentrative_nucleoside_transp		
Lanatina.XP 013392196.1 solute carrier family 28 m		
Aplanci.LOC110983407_solute_carrier_family_28_memb		
Myessoensis.XP_021346669.1_solute_carrier_family_2		
Myessoensis.XP_021346672.1_solute_carrier_family_2		
Hsapiens.NP_004203.2_sodium/nucleoside_cotransport		
Hsapiens.NP_004204.3_sodium/nucleoside_cotransport		
Cintestinalis.LOC100175376_solute_carrier_family_2		
Cintestinalis.LOC100184618_sodiumnucleoside_cotran		
Cintestinalis.LOC100187062_sodiumnucleoside_cotran		
Myessoensis.XP_021365661.1_solute_carrier_family_2		
Hsapiens.NP_001186562.1_solute_carrier_family_28_m		
Bbelcheri.LOC109471258_solute_carrier_family_28_me		
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Bbelcheri.LOC109471258_solute_carrier_family_28_me Bbelcheri.LOC109476916_sodiumnucleoside_cotranspor Myessoensis.XP_021376437.1_solute_carrier_family_2 Myessoensis.XP_021369774.1_solute_carrier_family_28_meblecheri.LOC10946925_solute_carrier_family_28_me Aplanci.LOC1010990438_solute_carrier_family_28_memb Lanatina.XP_013410730.1_solute_carrier_family_28_me Lanatina.XP_013418918.1_solute_carrier_family_28_memblenatinatinatinatinatinatinatinatinatinati		
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Bebelcheri.LOC109471258_solute_carrier_family_28_me Bebelcheri.LOC109476916_sodiumnucleoside_cotranspor Myessoensis.KP_021376437.1_solute_carrier_family_2 Myessoensis.KP_021369774.1_solute_carrier_family_28_me Aplanci.LOC109468925_solute_carrier_family_28_me Aplanci.LOC109468925_solute_carrier_family_28_me Aplanci.LOC101990438_solute_carrier_family_28_me Aplanci.LOC101990438_solute_carrier_family_28_me Aplanci.LOC101990438_solute_carrier_family_28_me Lanatina.KP_013410730.1_solute_carrier_family_28_me Lanatina.KP_013390240.1_solute_carrier_family_28_m Lanatina.KP_013390991.1_solute_carrier_family_28_m Lanatina.KP_013390991.1_solute_carrier_family_28_m Lanatina.KP_013390275.1_solute_carrier_family_28_m Lanatina.KP_023930717.1_solute_carrier_family_28_m Myessoensis.KP_021374214.1_solute_carrier_family_28_myessoensis.KP_021376259.1_solute_carrier_family_28_myessoensis.KP_021376259.1_solute_carrier_family_28_myessoensis.KP_021376259.1_solute_carrier_family_29_myessoensis.KP_021350788.1_solute_carrier_family_29_myessoensis.KP_021350788.1_solute_carrier_family_29_myessoensis.KP_021350788.1_solute_carrier_family_29_myessoensis.KP_021350789.1_uncharacterized_protein_Avaga.UJR10076.1_hypothetical_protein_I4U23_014298_Avaga.UJR35986.1_hypothetical_protein_I4U23_014298_Avaga.UJR35986.1_hypothetical_protein_I4U23_014298_Avaga.UJR35986.1_hypothetical_protein_I4U23_014298_Avaga.UJR35986.1_hypothetical_protein_I4U23_014298_Avaga.UJR35986.1_hypothetical_protein_I4U23_014298_Avaga.UJR35986.1_hypothetical_protein_I4U23_014298_Avaga.UJR35986.1_hypothetical_protein_I4U23_014298_Avaga.UJR35986.1_hypothetical_protein_I4U23_014298_Avaga.UJR35986.1_hypothetical_protein_I4U23_014298_Avaga.UJR35986.1_hypothetical_protein_I4U23_014298_Avaga.UJR35986.1_hypothetical_protein_I4U23_014298_Avaga.UJR35986.1_hypothetical_protein_I4U23_014298_Avaga.UJR35986.1_hypothetical_protein_I4U23_014298_Avaga.UJR35986.1_hypothetical_protein_I4U23_014298_Avaga.UJR35986.1_hypothetical_protein_I4U23_014298_Avaga.UJR35986.1_hypothetical_protein_I4U23_014298_Av	å 920å 940å TNQEIRDIKLAYQDILQEENKONKTRNLEGDLKSCTSGNFQRL	LVAVSQGRRSETVDPQIASIDAKILYDAGEGRMGTDDSTFIRIFASRSWESLRKTDI
Bebelcheri.LOC109471258_solute_carrier_family_28_me Bebelcheri.LOC109476916_sodiumnucleoside_cotranspor Myessoensis.XP_021376437.l_solute_carrier_family_2 Myessoensis.XP_021369774.l_solute_carrier_family_28_me Bebelcheri.LOC109468925_solute_carrier_family_28_me Aplanci.LOC101990438_solute_carrier_family_28_me Aplanci.LOC101990438_solute_carrier_family_28_me Lanatina.XP_013410730.l_solute_carrier_family_28_me Lanatina.XP_013410730.l_solute_carrier_family_28_me Lanatina.XP_013418918.l_solute_carrier_family_28_me Lanatina.XP_013390240.l_solute_carrier_family_28_me Lanatina.XP_013390271.l_solute_carrier_family_28_me Lanatina.XP_013390271.l_solute_carrier_family_28_me Lanatina.XP_013392255.l_solute_carrier_family_28_me Lanatina.XP_013392717.l_solute_carrier_family_28_me Myessoensis.XP_021374214.l_solute_carrier_family_28_me Myessoensis.XP_021376259.l_solute_carrier_family_29_meysoensis.XP_021376259.l_solute_carrier_family_20_meysoensis.XP_021376259.l_solute_carrier_family_20_meysoensis.XP_021376259.l_solute_carrier_family_20_meysoensis.XP_021350798.l_uncharacterized_protein.Avaga.UJR10076.l_hypothetical_protein_I4023_014298_Avaga.UJR35986.l_hypothetical_protein_I4023_014298_Avaga.UJR35986.l_hypothetical_protein_I4023_02726_Egranulosus.XP_024350707.l_Solute_carrier_family_20_melanogaster.CNT1_concentrative_nucleoside_transport_banatina.XP_013391296.l_solute_carrier_family_28_memb_Myessoensis.XP_021346672.l_solute_carrier_family_28_memb_Myessoensis.XP_021346672.l_solute_carrier_family_28_memb_Myessoensis.XP_021346672.l_solute_carrier_family_28_memb_Myessoensis.XP_021346672.l_solute_carrier_family_28_memb_Myessoensis.XP_021346672.l_solute_carrier_family_28_memb_Myessoensis.XP_0213466672.l_solute_carrier_family_28_memb_Myessoensis.XP_0213466672.l_solute_carrier_family_28_memb_Myessoensis.XP_0213466672.l_solute_carrier_family_28_memb_Myessoensis.XP_0213466672.l_solute_carrier_family_28_memb_Myessoensis.XP_0213466672.l_solute_carrier_family_28_memb_Myessoensis.XP_0213466672.l_solute_carrier_family_28_memb_Myessoensis.XP_0	å 920å 940å TNQEIRDIKLAYQDILQEENKDNKTRNLEGDLKSCTSGNFQRL	LVAVSQGRRSETVDPQIASIDAKILYDAGEGRMGTDDSTFIRIFASRSWESLRKTD

Lanatina.XP_013410730.1_solute_carrier_family_28_m	
Lanatina XP 013418918 1 solute carrier family 28 m	
Lanatina.XP_013389091.1_solute_carrier_family_28_m	
Lanatina.XP 013392255.1 solute carrier family 28 m	
Banacina.kr_023330717.1_301uce_calliel_lamily_20_m	
Lanatina.xP_U13421/19.1_Solute_carrier_family_28_m	
Myessoensis.XP_021374214.1_solute_carrier_family_2	
Myessoensis XP 021376259 1 solute carrier family 2	
M VD 001376250 11 4	
1000	
Myessoensis.XP 021375138.1 solute carrier family 2	MIYQEE
Musespensis VD 021250702 1 selute carrier family 2	LLLS
Myessoensis.Ar_021330702.1_solute_calliel_lamily_2	
	LLFA
Avaga.UJR10076.1_hypothetical_protein_I4U23_014298	LLYDTPHTTISVSNINTTTV
	${\tt VYAESFGHGLYEAVEKETRGSFRRGLQLILEAATDRIKCYAKILYDSMKGVGTRDETLIRMIVGHSETDLALIRHYFNANYPQTLSGMIKADTHGDYQQF}$
Egranulosus.XP_024352129.1_Solute_carrier_family_2	LFYEGV
Dmelanogaster CNT2 concentrative nucleoside transp	ILIQEDDERANYNRIFEKLGRKNVTQF
D 1	
Lanatina.XP_013392196.1_solute_carrier_family_28_m	LLYTGGAAVAPNTDLLNSTISANTTAQP
Aplanci.LOC110983407 solute carrier family 28 memb	LLYDENQIYDPIPGGGGATPTVNATMKAAV
	ILYQGNPLQNLNLNVTTTVNSTFVNGSSLGTSIPMFNGSFLSNSSSVFTNSTLGNMLN
myessoensis.XP_U21346672.1_solute_carrier_family_2	MLYQESSFLTSTNNTAINGTSLALNFSTVDNVTYQIT
Hsapiens.NP_004203.2_sodium/nucleoside_cotransport	
Hsapiens.NP 004204.3 sodium/nucleoside cotrangort	ILYMPRGAEVDCMSLLNTTLSSSSFEIYQCCREAFQSVNPEFSPEALDNCCRFYNHTI
	MLFVEPILASTSNMTATPSP
Cintestinalis.LOC100184618_sodiumnucleoside_cotran	FLYVPGDIFCDNMLATTNWTRTDPDRLWQCCSTVVFPISPDTEACHNCCAYDWASTLY
	FFYTPRPIVCDHMLLASNWTNTEPARLWQCCSTEVYSGATNTSACLNCCSYDWSSTPY
	LLTTAQ
	ILSSTPVDINCHHVLENAFNSTFPGNTTKVIACCQSLLSSTVAKGPGEVIPGGNHSLY
	LLYQDPVLSTVSTLNGTAVLNSTQSCQYTGTLLDCMC
	LLYQEAAITVLPTAAANTTLGYLTTPAPPVCAYAGTLLDCMC
BDelCheri.LOC1094/6916_Sodiumnucleoside_Cotranspor	LLIQEAATIVLPTAAANTILGILTTPAPPVCATAGILLDCMC
Myessoensis.XP_021376437.1_solute_carrier_family_2	LLVTEFPAPPSCLMQNITSSILPGNTTAETVLNVTLSGLTDLPTVYNTSLPAL
Myessoensis.XP 021369774.1 solute carrier family 2	LLYKDY
	MLYQEPAAMVVAATNATFNATLNATAHPNATVLPTVLSFLTSPTP
Aplanci.LOC110990438_solute_carrier_family_28_memb	ILYSEEKYVPVTATTVLPGGVQDVANTTLMAAVTDGINATDATNFTDFMTT
Lanatina.XP_013410730.1_solute_carrier_family_28_m	FLTPVDVSNVCLNGTLAANFSSIANSTVNVTIVTL
Tanatina VD 013/18918 1 colute carrier family 28 m	LFYEPSLG
Banacina.kr_o15410510.1_5010ce_callie1_lamily_20_m	
Lanatina.XP_013390240.1_solute_carrier_family_28_m	LFYEPSLG
Lanatina.XP_013389091.1_solute_carrier_family_28_m	
	LLYTEDTIV
Lanatina.XP_013421719.1_solute_carrier_family_28_m	LLYTGESV
Myessoensis.XP 021374214.1 solute carrier family 2	LLYEGEL
M	
Myessoensis.XP_021376258.1_solute_carrier_family_2	LLYSGEVEKTYPRDELI
1100	Dâ 1120â 1140â 1160â 1180â
Myessoensis.XP_021375138.1_solute_carrier_family_2	
Myessoensis.XP_021350782.1_solute_carrier_family_2	
Myessoensis.XP_021350798.1_uncharacterized_protein	
Avaga.UJR10076.1_hypothetical_protein_I4U23_014298	
Avaga.UJR35986.1_hypothetical_protein_I4U23_028726	
Egranulosus.XP_024350707.1_Solute_carrier_family_2	LLAILRESDS
Egranulosus.XP_024352129.1_Solute_carrier_family_2	
Dmelanogaster.CNT2_concentrative_nucleoside_transp	
${\tt Dmelanogaster.CNT1_concentrative_nucleoside_transp}$	
Lanatina.XP_013392196.1_solute_carrier_family_28_m	
Aplanci.LOC110983407_solute_carrier_family_28_memb	
Myessoensis.XP_021346669.1_solute_carrier_family_2	
Myessoensis.XP_021346672.1_solute_carrier_family_2	
Hsapiens.NP_004203.2_sodium/nucleoside_cotransport	AMALTNCCGFYNNTVCA
Hsapiens.NP_004204.3_sodium/nucleoside_cotransport	
Cintestinalis.LOC100175376_solute_carrier_family_2	
Cintestinalis.LOC100184618_sodiumnucleoside_cotran	OINCTNVCM
Cintestinalis.LOC100187062_sodiumnucleoside_cotran	
Myessoensis.XP_021365661.1_solute_carrier_family_2	
Hsapiens.NP_001186562.1_solute_carrier_family_28_m	SLKGCCTLLNPSTFNCNGISNTF
Bbelcheri.LOC109471258_solute_carrier_family_28_me	
${\tt Bbelcheri.LOC109476916_sodiumnucleoside_cotranspor}$	
Myessoensis.XP_021376437.1_solute_carrier_family_2	
Myessoensis.XP_021369774.1_solute_carrier_family_2	
Bbelcheri.LOC109468925_solute_carrier_family_28_me	
Aplanci.LOC110990438_solute_carrier_family_28_memb	
Lanatina.XP_013410730.1_solute_carrier_family_28_m	
Lanatina.XP_013418918.1_solute_carrier_family_28_m	
Lanatina.XP_013390240.1_solute_carrier_family_28_m	
Lanatina.XP_013389091.1_solute_carrier_family_28_m	
Lanatina.XP 013392255.1 solute carrier family 28 m	
Lanatina.XP_023930717.1_solute_carrier_family_28_m	
Lanatina.XP_013421719.1_solute_carrier_family_28_m	
Myessoensis.XP_021374214.1_solute_carrier_family_2	
Myessoensis.XP_021376259.1_solute_carrier_family_2	
<pre>Myessoensis.XP_021376259.1_solute_carrier_family_2 Myessoensis.XP_021376258.1_solute_carrier_family_2 1200</pre>	

Number of sequences: 36 Alignment width: 1223 Sequence type: aa