

A6QR76\_AMPQE  
 Suberites\_domuncula|DD298191.1  
 Homo\_sapiens|CA2\_CCDS6239\_1  
 Avas.s001.g1473.11  
 O\_minuta|LOD99\_964.mRNA.1  
 Avas.s001.g1475.11  
 O\_minuta|LOD99\_966.mRNA.1  
 Avas.s001.g1477.11  
 O\_minuta|LOD99\_7559.mRNA.1  
 Avas.s001.g1481.11  
 Avas.s001.g1480.11  
 O\_minuta|LOD99\_7560.mRNA.1  
 O\_minuta|LOD99\_7562.mRNA.1

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1
MLLFHSLKAS CHLSSKAFRL SRISSG -- VIGKMSCSSW NYVDQESWCH L ---- PNS QSN ----
-- VTRS -- TLLSAHMV DTLLEN QQ SRHENQHTDT SYKMYOGLKE VVKLTFTPSK CHRHFSTSAH
-- MSHH -- -- -- W GYKHHG -- -- PEH WHK DFP --
-- MVKSK -- -- LQFTSILM IVLTAIG -- -- ADW RYLFVVG -- -- -- SLDINI M
-- -- -- -- MAEN -- -- -- -- -- -- -- -- -- -- -- -- -- --
-- MFKLR -N YYEFKVFRC LFYFSONSNR RENQAAILGAW GYTEING -- -- PNT WGL LSENYI
-- MNKY -- FVLSTSL LVLV -- SIGKAEW SYSPPTG -- -- PAD WPN ISPTYS
-- MGRL -- IFITILI FVLCS -- NI RAQEW GYEPPTG -- -- PSE WPS ISPSYS
-- MFHT -- VIFCFIG LLGITAG -- OP -- SY GYIPPTG -- -- PAQ WAG IQTSYA
-- MFHT -- VIFCFIG LLGITAG -- OP -- NY GYIPPTG -- -- PAQ WAG IQTSYA
-- MSRI -- IILAIIG CLSIT -- -- -- -- -- -- PAN WST LNPDWA
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 O\_minuta|LOD99\_7562.mRNA.1

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71
-- -- GLNOSP IDIPTKDTKE S -PEI -- -- SPLIT LKG -YEOKL KGTWIRTSHS LRFPDPSG --
LSAMGRHOSP INIITSSTTK G-PSL -- -- KPLK FSKS -WDKPV IGTVKDTGYG LKFAPES --
-- IAKGEROSP VDIDITHAKY D-PSL -- -- KPLS VSY -DOAT SLRLINNGHA FNVEFDD --
NCKYGNFOSP ININKKDSEY A-K LHIETS VKYGLYQVEL FN -NATL MYTVKTEGDN ANFTTLDW-L
LCNDGTQOSP INIEMNDIVF N-KGLNFETO IP -- EISH FNIVKSNNIL TYELDIVGE -YFPIINW-V
LSEKGRQOSP IAIEKAATIL N-DKT -- -- KINA QRL -DTLM TGKLRNTGTG VEYKPSN --
LSDDEGRQOSP IMIDTGLTIF N-KNT -- -- NIKL DKL -DTLM TGSLKNTGQS IKYEPNS --
ECGAGTSOSP INIVIASTAO N-EGA -- -- GLLF FNN -EDDR TGTLSNNGHF VEFEADDLEV
ECGEGMQOSP VDIIITDIVVM SEEGT -- -- GLFL LHN -DMMR NGTLVNDGHT VEFOADD --
Avas.s001.g1481.11 ICGTGMROSP INIETANAQT O-AGL -- -- SFTI GNA -GSSL TGALENLATN VEYAIST --
Avas.s001.g1480.11 ICGTGMROSP INIETANAQT O-AGL -- -- SFTI GNA -GCSI TGALENLATN VEYAIST --
O_minuta|LOD99_7560.mRNA.1 ICGNGNROSP INIPTESSSY W-POL -- -- SLEI FNG -DSLL SGTLMNNEHS VEYAI DNT --
O_minuta|LOD99_7562.mRNA.1 ICGNGNROSP INIPTQESAY W-POL -- -- NLLI INE -DTVL NGTLMNNAHT VGYNIQG --

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 Avas.s001.g1480.11  
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 O\_minuta|LOD99\_7562.mRNA.1

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141
-- -- PAPSI VT -- -- YGGA -- Y ILRQFHHWG DQPG -CGSEH LVDGSSYDAE LHFVHEKE -S
-- -- AAERKTLHT YNGE -- Y ILDFHHYHWG KKDGE-EGAEH FIDGKQYDIE FHFVHKKV -G
Homo_sapiens|CA2_CCDS6239_1 -- -- SODKAV LKGGPLDGT Y RLQFHHYHWG SLDG -CGSEH TVDKKKYAAE LHLVHWNT -K
Avas.s001.g1473.11 RGDGLN -- -- -- -- -- -- DLNHFHHWG NEGN -NGSEH LGDFGVAAE IQFHHYVNLK
O_minuta|LOD99_964.mRNA.1 R -- VNEP -- -- -- -- -- -- DLNHFHHWS CNDG -KGSEH SIDNTSGAAE IQLHYYPN -D
Avas.s001.g1475.11 -- -- DSCVPLL EASVD -- -- FPSIELNHPF RLVOFHHWG TKDD -EGSEH SVDGEKGCGE IHFVYVNN -K
O_minuta|LOD99_966.mRNA.1 -- -- DTPVPLV EAKVD -- -- FPGVLVCNPF RLAEFHHWG SSNE -EGSEH VIDGKPGCGE IHFVYANT -K
Avas.s001.g1477.11 R -- -- -- -- -- -- FGGRVVGDDHY AVFQHHYHWG SISS -OGAEH YIEGLGGLGE AHIIYFNQ -K
O_minuta|LOD99_7559.mRNA.1 -- -- -- -- -- -- FTGRTIGDRI HLNSLDFHWG STDS -CGSEH FINSEGTVGE VHFNYFNS -E
Avas.s001.g1481.11 -- -- PEDDRPYF AARYNGSSGY TDGM -- Y RLQFHHYHWG SNDN -OGSEH LINNOAYAAE VHFVTRNV -L
Avas.s001.g1480.11 -- -- PEDDRPYF AASYNLGSY TDGM -- Y RLQFHHYHWG SNDN -OGSEH LINNOAYAAE VHFVTRNV -L
O_minuta|LOD99_7560.mRNA.1 -- -- VTDIRNPYL RATYESA -SF ODGD -- Y VLQFHHYHWG SVDS -RGSEN QFNGMSSVAE VHFVCRNT -L
O_minuta|LOD99_7562.mRNA.1 -- -- EATRPHF VATYERPNNE ODGL -- Y VLEQFHHYHWG AEGSNRGSEN QFDGRAAAVE VHLVSRNI -Q

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 O\_minuta|LOD99\_7562.mRNA.1

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211
PTS -NVPNA PDOFAVLGLVL LKR -SKGQGG GEVW -- EA LKNVPOVDKK IEI -- -- EVTIPS
LTD -PDA RDAFAVLGVF GKA -DPRLLKI NGIW -- EL L -SPST V -- LTVDS TRNVADVPS
Homo_sapiens|CA2_CCDS6239_1 YGDFGKAVQG PDGLAVLGIF LKVGSAPGL QKVV -- DV LDSIKTKGKS A -- D FTNEDP -R
Avas.s001.g1473.11 SKSYQELAKG KDGIVVQAYI KVL -GSKLEL NPLF -- NF SAST -IQNDK V -DLVLDLSD IIS --
O_minuta|LOD99_964.mRNA.1 HGGYDDAQVE DYGILVQTYI LKL -GNKLDL E-IF -- KF GOA -ENSR MIELSG LIS --
Avas.s001.g1475.11 YEKATIALKE IDGVVVVGYL LKL -AEKSAF DDLE -- KH LPSVKVAKDE LKDVPLQISS FFKEYPG -N
O_minuta|LOD99_966.mRNA.1 YEGAKIAVRH ADGLVILGYM LSV -GENSAF DELE -- KF MPEIKASNDR VENVFIKISQ FFQDKQT -Q
Avas.s001.g1477.11 YQNFSHAENQ NDGLVILAFH LKI -CSNSAF SGLFGNNQOH LESIRVNGSR VSGISWKFSD TYNCAENLF
O_minuta|LOD99_7559.mRNA.1 YTNFTTAAQQ SDGLTIALRL LRV -CANSDF NTVEGTDNEY LETLS -NDES VSGINWRLSD LHEC -ESLIV
Avas.s001.g1481.11 YSN-AEAGNM PNGFLVLGVR LIV -CANSOL YPVEGINNGY LDOLNYPYPNK VDNITRLLYD IYNC --M
Avas.s001.g1480.11 YSN-AEAGNM PNGFLVLGIR LIV -CANSQF YPVFGANNYS LDOLNYPYPNK VDNITRLTYD IYNC --M
O_minuta|LOD99_7560.mRNA.1 FNS -SQAGNE ANEFVLVLGVL LRV -CENSDF YPVEGPNNSF LDQMSDPDE V -PVSRLRSG IYNC --G
O_minuta|LOD99_7562.mRNA.1 FNT -SQAGAO PNGYLVLGK VRV -CENSDF YPVEGANNYS LDQIKADPDE V -SVSLRLSD IYNC --D

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281
QLLPANKSYW HYGGSITPPP CSEVVQVFVF HQILSVPPDV VQ -RWSTLP SE -- SPLP FNYRKVQELN
KLLPSARDYF HYEGSLTTPY YGEVVHWFVL NEPIAVPSEY LSALROMQAD KEG -- TVID SNYRELQEVH
Homo_sapiens|CA2_CCDS6239_1 GLLPESLDYW TYPGSLTTPP LLECVTIVWL KEPISVSSQE VLKFRKLNFN GEGEPPELMV DNWRPAQLK
Avas.s001.g1473.11 -- LDNSKFY NYVGSITPPP CEENIQWLIL AEPIDITQEQ FVKLQSLRGD AI -- T SNVRNQFELT
O_minuta|LOD99_964.mRNA.1 -- LTSDSKFF KYDGLVNDPP CSR -MQWLVM DESIDITQEQ LTELRLISSE C -- NVRDQYERT
Avas.s001.g1475.11 G -- GFY VYQGSITPPP CYESVTWFLS CMPLGIHREQ LALLRSQKVD EK -- TELS SNFRPTQPLN
O_minuta|LOD99_966.mRNA.1 G -- GFY VYQGSITPPP CYESVTWFLS PLPLVITQEQ LRLVRSQKVD EH -- TOLO QNFRPLKPLN
Avas.s001.g1477.11 -- CME -RFY VYNGSLTPPP CSQSVLWVVS DQCLCITGDO LEMLRQRVS ANG -- ASLS NNYRPTQELN
O_minuta|LOD99_7559.mRNA.1 GVCND -KFY VYHGSITPPP CYQSALWVVS AQSRCITROQ LDLLRMORVS TDG -- AILV NNYRPTQDVD
Avas.s001.g1481.11 NECATTARKYY IYQGSITTPA CNOAVTWLWA EDSLCTITQAO LDILRRORVN STG -- PILT DNFRPQALN
Avas.s001.g1480.11 NECATTARKYY IYQGSITTPA CNOAVTWLWA EDSLCTITQAO LDILRRORVN STG -- PILT DNFRPQALN
O_minuta|LOD99_7560.mRNA.1 GPCTDINSYY TFQGSITPPP CSEAVWVWA EDMLCISQAO LDMLRSQNV T SAG -- PRIT DNYRPTQELN
O_minuta|LOD99_7562.mRNA.1 GPCTDINSYY TFQGSITPPP CSEAVTWVWA EDMLCISQAO LDMLRSQNV T SSG -- POLT ENTRPTQELN

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 Avas.s001.g1480.11  
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 O\_minuta|LOD99\_7562.mRNA.1

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351
GRKV -- -- WLL KD -- SN --
NRPVORFKSD EQGRGEFDDI SKN -- EDIV ED -LSKLSGN FIRELVRKIY W -- FK
Homo_sapiens|CA2_CCDS6239_1 NROIKAS -- -- -- -- -- -- -- -- -- -- -- --
Avas.s001.g1473.11 GPRRVLRSD E -ENSAIVL SSSSMETLVL TSMML -- LIMIM --
O_minuta|LOD99_964.mRNA.1 ENLVSRNFE EYTQGSAGCL FKSNLFYALA QAWLS -- IHYIYI --
Avas.s001.g1475.11 GRKIYHI -- -- -- -- -- -- -- -- -- -- -- --
O_minuta|LOD99_966.mRNA.1 GRKVLRI -- -- -- -- -- -- -- -- -- -- -- --
Avas.s001.g1477.11 GRITVRL -- -- -- -- -- -- -- -- -- -- -- --
O_minuta|LOD99_7559.mRNA.1 GRITQOT -- -- -- -- -- -- -- -- -- -- -- --
Avas.s001.g1481.11 GRIVITNDI -- -- -- -- -- -- -- -- -- -- -- --
Avas.s001.g1480.11 GRIVITNDE -- -- -- -- -- -- -- -- -- -- -- --
O_minuta|LOD99_7560.mRNA.1 QRTILTNI -- -- -- -- -- -- -- -- -- -- -- --
O_minuta|LOD99_7562.mRNA.1 QRIILTNI -- -- -- -- -- -- -- -- -- -- -- --

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