

Protein sequences of the candidates:

>OAR1

MITSQLSVFFMLIYMLEFLTITGQSSLIVIVLGREWVQTQRLPPVDMILTSLGICRFCQLWSS  
MLHNFGSHFHLNYNFWCFGIWQFTNLSFWLTSLLAVFYCVKVSFFSHPIFLWMKWRIVR  
WVPQLLLGSLLVSCVSTIFSATSYYIIQFISMKDFPRNSTMLERLEAFLWDFSTLRKVVVLVI  
PFLFLASTVLLMALLSRHLKQMKDLHTGRPISSREAHSAALRSLGIFLILFTFYFLTVLVSIL  
DVLFNKESWFWAWEAIIYALVSIHSTLLMLSSAKLKRVLKARCWSLEAA

>OAR2

MLSTVEGLLIYVAVSESVLGVLGNGFIGVVS CIDCVKSKKIPTVSLILTGLASSRFCLIWIIITD  
AYVRMFFPD TYLSGNLSQNI AHFWIIMNQSSIWFATSLNIFYFLKIANYSHCIFLWLKGHINR  
VLLLFMGSL LISWLF AFPSIAKPSINDIMKNRSSTWLI ALHKREYLTNHILLNIGVILV FVLCLI  
TCFLLITSLWRHNRKMQLNATGFRDPSTE AHIKAMKTLVSFIILFILYFVGTAIQISGSTMPEN  
NLLLIIGITRLLYPCGHSLILILGNRKLKQDFLRVLKPLKCWGKEKLLRIP

>OAR3

MERTLNNILMIISAGEFLLGILGNGFIVLVNCIDWIRS RKFSLIDFILTCLAISRIFVLCIMISSTG  
LYVISEEIQYNKNLLINLGFLWTGSNYFSI ACTTCISVFYLLRIANFSNFLFLWMKRRIHKVLL  
IIALGAVFSFCLCLLQKNMAVEILFQNQVNSKKNVTLD FLMIRYDLFFAIMFLIPFVVSLASFL  
LLILSLCGHLRRMKGVDCSSEAHVRALKAMISFLLL FILHYLSNIMTVWANHILGSFVAKIFV  
NMLLFFCPSGHPLLLILWNSKLKKASLCVLRKLRGYMNL RK

>OAR4

MLRLSNLGFLVLTAIQFILGMLGNGFIGWVNGSSWFKSKRISLHDFIITNLAVSRIVLLWILLI  
DGVLLVFSPKLHDEGIIMQIIDVFWTFTNHL SIWLTTCVSVFYCLKVASFSHPMFLWLKWRV  
SRVVVWMLLSTLLLSCGSAISLIREFKIYSVLGGIDRTGNMTELFRRKEKEYKLIHVLGTLW  
DLPPLVVSLISYFLLILSLGRHVRQMHQDCGSSRDPSTE AHRRAIRVILSFLFLFLLYLSFSV  
LTSSYFLPATKMI AKIGE VITMFYLAGHSYVLILGNSKLKQMFVAMLRCEPGCLKPGSKGSV  
YP

>OAR5

MLRIVFFSSIVVSEIITFVGLIVNLFIVVVS YKTCIKSHRISSDRLLFSLGITRFFILLN VVVIIS  
PNVERSVSLSSFFLSCWMFLDSSSLWFVTLLNVLYCVK IANYQHSVFLLLKRNLSTRMPRL  
LVCMLLSVFTTLLYVMLRQLAPRLEFVTVRNGTVFDINEGLLSLVTPVLSSFLQFIINVTSA  
SLLINSLKRHV RKMQRSATVLWNPQTEAHVGAMKLMICFLILYIPYSVATLLHYLPSSIGMD  
LRTKSIYVIMSTIYPPGHSLLIILTHPKLKTAKNILCFSK

>OAR6

MPSGIEN TFLVVTIGGFVIGMLGNGFIVLVNCIDL VKRQKLSSADCILTGLAISRISQLWAILC

DSFLLVLWPHLYAIDKLTKEVNSFWILSNHLATWFATCLSVFYFFKVANFSHPCFTWLRWRI  
RSVVLVLLLGSLSLLFLNSESIYMFHISTNSYKIYARNSTWSPNVSETHYLHQLIVFNFINLIP  
FLLSLTSLLLLVLSLMRHIRNLQLNPSSKDLSTEAHKRAMKMMVMSFLFLFVIHVSSVLLTGW  
VFLKLQGRRLAKLVVVLTSVFPSSHSFILILGNSKLRQNAIGLLWYLNCRLLKRVKSLAS

>OAR7

MADSLENIFIILINSAFIIGILGNGFIALVNCIDWIKMQKVSLADRILTALAIFRIGLILVMMVS  
WFTKESYPFSSLDIKGNKVILFSIAGLLANYFSVWLATGLSLFYFLKIANFSNAVFLHLKFRI  
GMVFMVMFLGTLVLLPLSLTLVSIYINIKIHPYERNMTLSSKRSDTETFSKLIIFTMGSFSSFIIS  
LSCFLLLMFSLRNHVKMRSQGSRDPSKAHVRAIMAMPFLILLAIHFLSHLMTTFHHNVM  
QSELAFMLAEALGTIYPSVHSFVLILGNDKLRKASLLVLWQLRCG

>OAR8

MIQTCSSSEKDLSPSLVTLMLIIIGTECILGILANGFIAAINTAEWIHNKVLSTSGKILLFLGVS  
RIVLQSFMMLELTLSSTSPQFYNDITYHTFRGCFMFLNHCSLWFAAWLSVFYFVKVADFSY  
PLFLKLKWRISRLMPWLLQLSVFVSLGQSVLFFQNIYTMNCNNLFSLPSFNSTKKKSFSEAT  
VINLVFLNLGIFIPLIMFILAATLLIISLKRHIFHMKSNATGSRDPSTEHLGAIRAIISYFLILYI  
FQVLALFLYMSNFFDINSPLNILCKIIMATYPVAHSILLIQDNPGLKRAWKRLQAQVHLYFKK