

BAH domain

Pt_0006s26040 1 ---MVEAKKVENIEFKWGRQGVGGKKKDVQFYESFSYDGVVEALYDSVVMYEEGE---TEPYIGKLLKIWENA--DKTKKVKVLWFFCP
Pt_0018s00870 1 ---MVEAEKVDCLIEFKWCKKRGVGGKKKDVQFYESFYDGDVYLYDSVVMYKEGE---PEPYIGKLIKIWENA--DKTKKVKVLWFFFRP
Rc_0803370 1 ---MIOAKEDENIEFKWGNKRGVGGKRDVQFYESFTFDGVEYMLYDSVVMYADIE---TEPYIGKIKIWENS--DKTKRVKILWFFFRP
At_IBM2 1 ---MEESVASEGLEFKWGGKRGVGGKKKDVQFYESFTFDGDEYRLYDCVLVGNASEPDSTEPFIGMIKIWEHANKHIPKKVKLLWFFFKP
Zm_GRMZM2G04486 1 -----MDGNAETIQFSWGKRRGKGGAKMDTQFYSFTLDNVKYSLEFDCVYLFKHGD---PEPYIGKIVKIWEKD---NDKKVKILWFFHP
Sb_05g001150 1 -----MDGNAEPIQFSWGKRRGAGGSKMDTQFYSFTLDNVKYSLEFDCVYLFKHGD---PVPYIGKIVKIWEQN---SAKRVKVLWFFFLP
Os_IBM2 1 -----MDGSNENIQFSWGKRRAGGKIKMDTQFYDSTFDNVKYSLEFDCVYLFKSGE---SEPYIGKIKIWQN---QAKKVKILWFFFLP
AT3G15605 1 MLQSNSSAGGEDNPDFKWKAGKRGVGRKDNKVRFYESFTLEGTLYRLFDCAFYRFLG-----

Pt_0006s26040 83 REISNYLG-DEKTAENELFLASGEGVGNANVPLEAIAAGKCNVVCSSKDSRNPOPSDEELOEADFVYRFTFDVGNCRILDKILDKIAGIE
Pt_0018s00870 83 REISNYLG-DEKTLKNELFLASGEGVGNANVPLEAIAAGKCNVVCSSKDSRNPLPSDEELOEADFVYRAFVDVGNCRILDMIDDKIAGIE
Rc_0803370 83 CEISNYLE-ANETSKNELFLASGDGVGLANVPLEAIAAGKCNVICSKDSRNPOPSNEELOMADFFRIFDVGRHVILDKIDDKIAQVD
At_IBM2 88 SEIAPYLEGVPNVLANEVFLASGEGGLANTNOLEAIAAGKCSVLCISKDKRNPOPSDEKFNADVFVCFRAFDVGSCKVVDITDDKIAGVD
Zm_GRMZM2G04486 80 DEVQNYLS--GPVMEKEIFLACGEGGLADINPLEAVAGKCTVICTSKDKRNROPSQOELQIADYIFYRVFDVKSLLTSDQLPKIAAFT
Sb_05g001150 80 DEIRNYLR--GPVMEKEIFLACGEGGLADINPLEAVAGKCTVICTSKDERNROPSQOELIADYIFYRFFDVGSLTHSDQLPKIATLT
Os_IBM2 80 DEIRKHL--GPVMEKEIFLACGEGVGLADINPLEAIAAGKCTVICISKDERNROPSPRELAMADYIFYRFFDVNSCTLSEQLPEKIAGVE
AT3G15605 57 -----EYEPQWDELFLACGDEKGVSNINDVETIMGKCNVVCSSDDRNRNRPRTGKELRRAKYIFSRFTDTRLRITSEDFADAIAGIG

gRNA1

Pt_0006s26040 172 VKFLLNRVGNQSSSGVPKLDSKKKEVSGNFVAENDTRILTRTE-----SYLGEKATSSSHV
Pt_0018s00870 172 VKFLLNRVGNQNSSGVPKLDSNKKEVSGNAGVDDTRILAKKE-----SYLGEKAASSSGV
Rc_0803370 172 VKFLLNKVNSQKSHVPERDISIKKETSNAIVAADGTTLSSEMAMVERINLKTDDSSIDPLSKEDADSVLLPNORSVVGOKPASFSSD
At_IBM2 178 VKFIFNRACSEKEATAVQNIADVNGKSDSLKPNPARGASG-----SVRKIEDSAFESSDCKENSN
Zm_GRMZM2G04486 168 VDLLLNPKDELVIP---ANVLVNPVDEGMVAVPTPPSAVKLE-----DRSQAAALPLTQTG-
Sb_05g001150 168 VDVLLNPKDELVVSNPNTVPPNPVDEGLVAVPAVPSAVKTE-----DGSQAAALPLPQPAF
Os_IBM2 168 GNLLLNLSKVEQVTSQSDQEVHG---VDQKMLNVPVLPQSTVME-----DESPVAAVSLPSPV
AT3G15605 138 VDKLFLNMRDRKQPVKRLNSSAAAITRASPVKSRPDLGSTKLGKHD-----NRDAKLMSRTSSLKKV

Pt_0006s26040 228 KFNIEVTKINDRLVDNSGETASSSSKVKQISDIKPSLANQKCSPGENSASNLGLGEMTKVDEQEGIPSDIIASSSKDDVGVSESKVDKVF
Pt_0018s00870 228 QFDEVAKTNE-----
Rc_0803370 262 ELDEIAKIDHAQGDFFSGGKTIHSHKVDNSELITLDVKQKSSLGKPTSNIVGKLAGEATISDPHKDTASDKIRSRTEDEEIIADPKPLLV
At_IBM2 241 GKKEEKEKGHYQLAIKKSTLAEERSNKDSGSRGNHYNGKDQSEVKKQLTKQKSMGPEERYSNSFEASGSRTHSISKKAQENDVKKLT
Zm_GRMZM2G04486 223 QVDENLP-----ATVPL
Sb_05g001150 227 EVDENPP-----ATVPL
Os_IBM2 224 KE-ENVA-----SAIPF
AT3G15605 200 TFLIEDR-----

Pt_0006s26040 318 DOVLIEEKVKVAKDCGDLDD-----RPSKAKLDDLAKASYDNKVKGVQKVSHDSNGSN-----
Pt_0018s00870 238 ROVLVEEELKVAKASGDLDD-----RSCKAKLDDSAKASHDNKVKSTQKLRHDSNDSS-----
Rc_0803370 352 RORSSLGKHKASKELDRIDKNKKQESMSNDKIISRSIGDPIRPSKIDKLGSSSEASGNGKEKIVHKLIPDSKRCEGKASEVHAEVVKAL
At_IBM2 331 KOKSMPAGERYSQESSGLDD-----RPLKQKLDGSVTVRDGWDITLQNTSDGKKDTG
Zm_GRMZM2G04486 235 POSEVKEEQKVI-----AIPISQTVVKKEDKKSLSDIPLSHSAVKEDE-----
Sb_05g001150 239 SOSEVKEEQK-----QPVVRKEDKKSVAAIPLSHSAVKEDE-----
Os_IBM2 235 POPVVKEES-----AAAAIPPHVALKEES-----
AT3G15605 206 -----ADHVHVKRN-----

Pt_0006s26040 372 -----SKSVAQTPASEDKSKSNLTKDHHENNSGLSKRPKPDEKLTRLANGKFPEASLRQSEEGSKT-NC
Pt_0018s00870 292 -----SKAVAQTPAAEDKSRPNLTKDPOETNNALSSEKPKPDE---KLANGKFPEASLRQSEEGSKT-NY
Rc_0803370 442 EDSCRANRALKNDKLDGDFKHCDAKAVDRATTGTEISRKLKVDPNTEILSFKRKLDEKLTKFANGKLPRESPREVSNVDSNT-DS
At_IBM2 386 -----SFKRPRDKVTEIEVPPKRSFVKNRDLVVSVSEGKTTKTVTEKGISKKPSFGRAEDKMSADDNER-NY
Zm_GRMZM2G04486 279 -----TPVASIGPPQSAVMEINPKHTQLQDAHAGERPPKKLKLSQETTEQ-----DIDPTNTEQRPL-EL
Sb_05g001150 275 -----KPAASIAAPPQAVMDNIPKHTQLQDAHTGERPPKKLKLSQVTSQD---DMDPTTEQRPL-EL
Os_IBM2 260 -----VSKSTEN-----ITKPAQKVLPGERPPKRVKFSENVTVQNVPLDVPERPSRTGPL-EL
AT3G15605 216 -----PVNTETLTRGQIPILKTRAFGELYASGSSVNAKPSKRRKLIILNTPETDSDDQGPQSGEKKLIKNP

RRM

Pt_0006s26040 437 HIOEVTTRRP-----EAPWEERMOTAHEOGLVLLQNLDPSTVSAEVEDIIWHAFKQSCVTKMIORTALASPHSGOAFVIFQKREVA
Pt_0018s00870 354 KIQEPTTRRP-----ATPWEETMOTAHEOGLVLLQNLDPSTVSAEVEDLIWQAFKQSCVTKMIORTARSSPHSGOAFVIFQKREVA
Rc_0803370 531 KILEVTRRPEADKIKWFKGLPWEERIKAAHAECHVLLQNLDPSTVGLVEDIVWHALKQSCVTKMIPCTAFSSPHSGOAFVIFKTREAA
At_IBM2 453 QVTEVCRRPDAGKSKWFRSLPWEESMREAEKGTVLLQNLDPSTVSEVEDIVYSALNQCEARMERTSVTIPHIGEALVIFKTREVA
Zm_GRMZM2G04486 338 QPKNIDRSK-----WFNIEWNDRILKMAADKGTLVYIQNLDIRFGPADIEELVRKALQLNCTAKPINHPTDYDDPNNGKAYAIKTKDAA
Sb_05g001150 334 PPKNIDRSK-----WFNIEWNDRILKMAADKGTLVYIQNLDIRFGPADIEELVRKALQLSCNAKPINHPTDYDDPNNGKAYAIKTKDAA
Os_IBM2 312 AGRQADRSK-----WFKIEWDTRLRNADQGLVYIQNLDIRFGPADIEELVRDALQNCIAKPINHPTDYDDPNNGKAYAIKTKSAA
AT3G15605 282 PLVEKAPSONIEKKSWKLPFEDELKPAIEKGRVLLIENLEPSVTSLEVEFLFROAFKEGVDAMIPSSPMSSPHSGRALVIFGTTKAA

Pt_0006s26040 518 EMAVAKLDEGCLMNSGRYGFTLFCHCIAAPCFPGKOSTFFGHLVINKLRIHKOR--EMKEAVSTSHCSQPNTLEYEMAMDWCLLQERSD
Pt_0018s00870 435 EMAVAKLDEVCMLNSGRP---LVGSIAPCFPGKOSTFFGHLTINKLRIHMOR--EMKEAVSTSHCSQPNTLEYDMAMEWCLLQDRSD
Rc_0803370 621 ETAVTKLDEGCLMNTSYGRP---LVGSIAPCFPGKOSTFFGHMSIDKTRHQMOR--VMREAVSTSHCSQPNTIEYDMALWCFLLQEQTN
At_IBM2 543 ERVIRRLDEGCLLSSGRP---LVASFATTPGKPSLFSGHIKLHKOTR--R--EMRDAVATSHSSQPNNLEFDMAEWCLHQARHE
Zm_GRMZM2G04486 421 DAAISKINSGLVVG--GRP---LYCSKGLLEVPKPSANLVGHLSS-YVKIGQKQRDEQKKA VATSHCSQPNTIEYDLALDWMLLREKQD
Sb_05g001150 417 DAAISKINSGLVVG--GRP---LYCSKGLLEVPKPPKLVGHLSS-HVKIGHKQRDEQSKAVATSHCSQPNTIEYDLALDWMLLREKQD
Os_IBM2 395 DSAISKINSGLVVG--GRP---LYCSKGLLVKVPKPSLGLHLTINNIRMGIRQREQKKA VATSHCSQPNTMEYDLALDWMLVRAKQE
AT3G15605 372 DSAMSRINEDCLMNSGQRA---LTGSKNVPEIGRCRSETGHFNMVDR-----SLMTAQKVSICCITLRLFSVVIILVMVTHRKPNS

gRNA2

Pt_0006s26040 606 LALRKLROOQROELRKLWVTLKCK-----
Pt_0018s00870 519 LALRKLROOQEQELRKLRLATLKS-----
Rc_0803370 705 QEWELLYKQHGKELRKLLESTLTRQAS-----
At_IBM2 625 QASESVSKRQLEEMKSLRINFKLLPYETQEFWFHAIQSPNFDSEYTDAAAGLKSDDPFVVTYFFVRVSFTSEVLNFCVDQERSRE
Zm_GRMZM2G04486 504 QSFRLVHKKHREARKGFASLVGKSKAE-----
Sb_05g001150 500 QSFRLVHKKHREARKVFASLGKSLKAE-----
Os_IBM2 479 TKFRTLHKKHREARKTFASKMGK-----
AT3G15605 450 PCQITEYYKLTPLFSLIIVNRPHKVFVNFQPH-----