

Supplementary Figure 1

YTA10 1 MMMQRYARGAPRSLTSLSFQKASRISTVKPVLRSRMPVHQRLQTLISGLA 50
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 YTA12 1 -----MLLLSW---SRIAT-KVV---RRPV--RFRSYYGL- 26
 YTA10 51 TRNTIHRSTQIRSFHISWTRLNENRPNKEGEGKNGKNDNNSNK----- 94
 |.:|. |..:..||.:. ||. |...: |.:...||
 YTA12 27 -----THIKSLHTQYRLNRLQENKSGNKNEEDNEDAKLNKEIPTDE 68
 YTA10 95 ----- 94
 YTA12 69 EVEAIRKQVEKYIEQTKNNTIPANWKEQKRKIDESIRRELEDAVLKQESNR 118
 YTA10 95 --EDGDKRNEFG--SLSEYFRSKE----- 115
 |.:|. |..:..||.:. ||. |...: |.:...||
 YTA12 119 IQEERKEKEEENGPSKAKSNRTKEQGYFEGNNSRNIPPPPPPPPKPPLN 168
TM1
 YTA10 116 ----FANTMFLTI GFTI IFTLLTPSSNNSGDDSNRVLTFQDFKTKYLE 159
 ..|...:..||.:. ||. |...: |.:...||
 YTA12 169 DPSNPVSKNVNLFQIGLTFLLSFLDLLNSLEEQSEI-TWQDFREKLLA 217
 YTA10 160 KGLVSKIYVVKFLVEAELVNT-----KQVVSFTIGSVDIFEEQMD 200
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 YTA12 218 KGYVAKLIVVNSMVKVMLNDNGKNQADNYGRNFYFTIGSIDSEHKLQ 267
TM2
 YTA10 201 QIQDLLNIPPRDRIPIKYIERSSPFTFLFPFLPTIILLGGLYFITRKINS 250
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 YTA12 268 KAQDELIDKDFRIPVLVYQEGNWAAMFQILPTVLMIAGI IWLTRR--- 314
 YTA10 251 SPPNANGGGGGGLGGMFNVGKSRALFNKETDIKISFKNVAGCDEAKQEI 300
 :... ||.: |...:..||.:. ||. |...: |.:...||
 YTA12 315 ----SAQAAGSGRGGIFGLSRSKAKKFNTETDVKIKFKDVAGCDEAKKEI 360
 YTA10 301 MEFVHFLKNPGKYTKLGAKIPRGAILSGPPGTGKTLAKATAGEANVPFL 350
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 YTA12 361 MEFVSLKEPSRYEKMGAIPRGAILSGPPGTGKTLAKATAGEAGVPFY 410
 YTA10 351 SVSGSEFVEMFVGASRVRLFTQARSMAPSIIFIDEIDAIGKERGKGG 400
 . ||||. ||.: |...:..||.:. ||. |...: |.:...||
 YTA12 411 FVSGSEFVEMFVGGAARVRLFKTARENAPSIIVFIDEIDAIGKARQKGN 460

YTA10 401 ALGGANDEREATLNQLLVEMDGFTTSDQVVVLAGTNRPDVLDNALMRPGR 450
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 YTA12 461 -FSGANDERENTLNQMLVEMDGFTPADHVVLAGTNRPDILDKALLRPGR 509
 YTA10 451 FDRHIQIDSPDVNGRQQIYLVHLKRLNLDPLLTDMMNLSGKLATLTPGF 500
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 YTA12 510 FDRHINIDKPELEGRKAI FAVHLHHLK----LAGEIFDLKNRLAALTPGF 555
 YTA10 501 TGADIANACNEAALIAARHNDPYITIHFEQAIERVIAGLEKTRVLSKE 550
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 YTA12 556 SGADIANVCNEAALIAARSDAVALKNHFEQAIERVI GGVERKSKLLSPE 605
 YTA10 551 EKRSVAYHEAGHAVCGWFLKYADPLLKVSIPRGGALGYAQYLPDQYL 600
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 YTA12 606 EKKVVAYHEAGHAVCGWYLYADPLLKVSIPRGGALGYAQYLPDIFL 655
 YTA10 601 ISEEQFRHRMIMALGGRVSEELHFPSVTSGAHDDFKKVTQMANAMVTSLG 650
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 YTA12 656 LTEQQLKDRMTMSLGGRVSEELHFPSVTSGASDDFKKVTSMATAMVTELG 705
 YTA10 651 MSPKIGYLSFDQNDGNFKNVPFSNKTARTIDLEVKSIVDDAHRACTELL 700
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 YTA12 706 MSDKIGWVNYQKRDDS-DLTKPFSDETGIDSEVYRIVQECHDRCTKLL 754
 YTA10 701 TKNLDDKVDLVAKELLRKEAITREDMIRLLGPRPFKERNEAFEKYL---- 745
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 YTA12 755 KEKAEDVEKIAQVLLKKEVLTREDMIDLLGKRPFPERNDAFDKYLNDYET 804
 YTA10 746 -----DPKSNTPEPEAPATN* 762
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 YTA12 805 EKIRKEEEKNEKRNEPKPSTN* 826

