

TUA1 MRECI SIHIGQAGIQVGNACWELYCLEHGIQPDGQMPGSDKIVGGGDDAFNTFFSETGAGKHVPRAIFVDLEPTVIDEVRTGTYRQLFHPE 90
TUA3 MRECI SIHIGQAGIQVGNACWELYCLEHGIQPDGQMPGSDKIVGGGDDAFNTFFSETGAGKHVPRAIFVDLEPTVIDEVRTGTYRQLFHPE 90
TUA5 MRECI SIHIGQAGIQVGNACWELYCLEHGIQPDGQMPGSDKIVGGGDDAFNTFFSETGAGKHVPRAIFVDLEPTVIDEVRTGTYRQLFHPE 90
TUA7 MRECI SIHIGQAGIQVGNACWELYCLEHGIQPDGQMPGSDKIVGGGDDAFNTFFSETGAGKHVPRAIFVDLEPTVIDEVRTGTYRQLFHPE 90
TUA2 MREI I SIHIGQAGIQVGNACWELYCLEHGIQPDGQMPGSDIVSGVEHDSFNTFFSETGSGKHVPRAIFVDLEPTVIDEVRTGTYRQLFHPE 90
TUA4 MREI I SIHIGQAGIQVGNACWELYCLEHGIQPDGQMPGSDIVSGVEHDSFNTFFSETGSGKHVPRAIFVDLEPTVIDEVRTGTYRQLFHPE 90
TUA6 MREI I SIHIGQAGIQVGNACWELYCLEHGIQPDGQMPGSDIVSGVEHDSFNTFFSETGSGKHVPRAIFVDLEPTVIDEVRTGTYRQLFHPE 90
TUA8 MREI I SIHIGQAGIQVGNACWELYCLEHGIQPDGQMPGSDIVSGVEHDSFNTFFSETGSGKHVPRAIFVDLEPTVIDEVRTGTYRQLFHPE 90

TUA1 QLISGKEDAANNFARGHYITGKEIVDLCLDRIRKRLADNCTGLOGFLVFNNAVGGGTGSGLSGLLLERLSVDYGKSKLGFITYPSPQVST 180
TUA3 QLISGKEDAANNFARGHYITGKEIVDLCLDRIRKRLADNCTGLOGFLVFNNAVGGGTGSGLSGLLLERLSVDYGKSKLGFITYPSPQVST 180
TUA5 QLISGKEDAANNFARGHYITGKEIVDLCLDRIRKRLADNCTGLOGFLVFNNAVGGGTGSGLSGLLLERLSVDYGKSKLGFITYPSPQVST 180
TUA7 QLISGKEDAANNFARGHYITGKEIVDLCLDRIRKRLADNCTGLOGFLVFNNAVGGGTGSGLSGLLLERLSVDYGKSKLGFITYPSPQVST 180
TUA2 QLISGKEDAANNFARGHYITGKEIVDLCLDRIRKRLADNCTGLOGFLVFNNAVGGGTGSGLSGLLLERLSVDYGKSKLGFITYPSPQVST 180
TUA4 QLISGKEDAANNFARGHYITGKEIVDLCLDRIRKRLADNCTGLOGFLVFNNAVGGGTGSGLSGLLLERLSVDYGKSKLGFITYPSPQVST 180
TUA6 QLISGKEDAANNFARGHYITGKEIVDLCLDRIRKRLADNCTGLOGFLVFNNAVGGGTGSGLSGLLLERLSVDYGKSKLGFITYPSPQVST 180
TUA8 QLISGKEDAANNFARGHYITGKEIVDLCLDRIRKRLADNCTGLOGFLVFNNAVGGGTGSGLSGLLLERLSVDYGKSKLGFITYPSPQVST 180

TUA1 VVEPYNSVLSTHSLLEHTDVAVLLDNEAIVDICRRSLDIERPTYTNLNRLLISQVIVSSLTASLRFDGAINVDVTEFQTNLVVPYRIHFMLS 270
TUA3 VVEPYNSVLSTHSLLEHTDVAVLLDNEAIVDICRRSLDIERPTYTNLNRLLISQVIVSSLTASLRFDGAINVDVTEFQTNLVVPYRIHFMLS 270
TUA5 VVEPYNSVLSTHSLLEHTDVAVLLDNEAIVDICRRSLDIERPTYTNLNRLLISQVIVSSLTASLRFDGAINVDVTEFQTNLVVPYRIHFMLS 270
TUA7 VVEPYNSVLSTHSLLEHTDVAVLLDNEAIVDICRRSLDIERPTYTNLNRLLISQVIVSSLTASLRFDGAINVDVTEFQTNLVVPYRIHFMLS 270
TUA2 VVEPYNSVLSTHSLLEHTDVAVLLDNEAIVDICRRSLDIERPTYTNLNRLLISQVIVSSLTASLRFDGAINVDVTEFQTNLVVPYRIHFMLS 270
TUA4 VVEPYNSVLSTHSLLEHTDVAVLLDNEAIVDICRRSLDIERPTYTNLNRLLISQVIVSSLTASLRFDGAINVDVTEFQTNLVVPYRIHFMLS 270
TUA6 VVEPYNSVLSTHSLLEHTDVAVLLDNEAIVDICRRSLDIERPTYTNLNRLLISQVIVSSLTASLRFDGAINVDVTEFQTNLVVPYRIHFMLS 270
TUA8 VVEPYNSVLSTHSLLEHTDVAVLLDNEAIVDICRRSLDIERPTYTNLNRLLISQVIVSSLTASLRFDGAINVDVTEFQTNLVVPYRIHFMLS 270

TUA1 SYAPVISA EKAYHEQLSVPEITNSAFEPSSMMAKCDPRHGKYMACLMLYRGDVVVKDVNAAVATIKTKRTVQFVDCPTGPKCGINYP 360
TUA3 SYAPVISA EKAYHEQLSVPEITNSAFEPSSMMAKCDPRHGKYMACLMLYRGDVVVKDVNAAVATIKTKRTVQFVDCPTGPKCGINYP 360
TUA5 SYAPVISA EKAYHEQLSVPEITNSAFEPSSMMAKCDPRHGKYMACLMLYRGDVVVKDVNAAVATIKTKRTVQFVDCPTGPKCGINYP 360
TUA7 SYAPVISA EKAYHEQLSVPEITNSAFEPSSMMAKCDPRHGKYMACLMLYRGDVVVKDVNAAVATIKTKRTVQFVDCPTGPKCGINYP 360
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TUA6 SYAPVISA EKAYHEQLSVPEITNSAFEPSSMMAKCDPRHGKYMACLMLYRGDVVVKDVNAAVATIKTKRTVQFVDCPTGPKCGINYP 360
TUA8 SYAPVISA EKAYHEQLSVPEITNSAFEPSSMMAKCDPRHGKYMACLMLYRGDVVVKDVNAAVATIKTKRTVQFVDCPTGPKCGINYP 360

TUA1 TVVPGDDLAKVQRAVCMISNSNSVAEVFSRIDHKFDLMYKRAFVHWYVGEEMEEGFSEAREDLAALAEKDYEEVGABSGDGEDGDEGEY 451
TUA3 TVVPGDDLAKVQRAVCMISNSNSVAEVFSRIDHKFDLMYKRAFVHWYVGEEMEEGFSEAREDLAALAEKDYEEVGABSGDGEDGDEGEY 450
TUA5 TVVPGDDLAKVQRAVCMISNSNSVAEVFSRIDHKFDLMYKRAFVHWYVGEEMEEGFSEAREDLAALAEKDYEEVGABSGDGEDGDEGEY 450
TUA7 TVVPGDDLAKVQRAVCMISNSNSVAEVFSRIDHKFDLMYKRAFVHWYVGEEMEEGFSEAREDLAALAEKDYEEVGABSGDGEDGDEGEY 450
TUA2 TVVPGDDLAKVQRAVCMISNNNAVAEVFSRIDHKFDLMYKRAFVHWYVGEEMEEGFSEAREDLAALAEKDYEEVGABSGVDEDE--DDEDE 449
TUA4 TVVPGDDLAKVQRAVCMISNNNAVAEVFSRIDHKFDLMYKRAFVHWYVGEEMEEGFSEAREDLAALAEKDYEEVGABSGVDEDE--DDEDE 449
TUA6 TVVPGDDLAKVQRAVCMISNNNAVAEVFSRIDHKFDLMYKRAFVHWYVGEEMEEGFSEAREDLAALAEKDYEEVGABSGDDEG--DEDEY 449
TUA8 TVVPGDDLAKVQRAVCMISNNNAVAEVFSRIDHKFDLMYKRAFVHWYVGEEMEEGFSEAREDLAALAEKDYEEVGABSGDDEG--DEDEY 449

Supplemental Figure S1

