

680 690 700 710 720 730

PpT8510 DKRLVLEVPVLTETDGSMTIEKESALVYVHDDAPDFGSGOAKELLHIES.VLWNE

PpT8511 DKQKLAIEVPLVLTETDGSMTIEKESALVYVHDDAPDFGSGOAKELLHIES.VLWNE

PpT859a GKNINVLVLPVPEYEAADGSMTIEKESALVYVHDDAPDFGSGOAKELLHIES.VLWNE

PpT856 SWKQIAIEVPLVLTETDGSMTIEKESALVYVHDDAPDFGSGOAKELLHIES.VLWNE

PpT855 DKQKLAIEVPLVLTETDGSMTIEKESALVYVYQADPDFGSGOAKELLHIES.VLWNE

PpT857b GKKRLVLEVPVLTETDGSMTIEKESALVYVYRDDAPDFGSGOAKELLHIES.VLWNE

PpT857a GKKRLVLEVPVLTETDGSMTIEKESALVYVYRDDAPDFGSGOAKELLHIES.VLWNE

PpT851i DVVSKVHVPVLYETRPSSFLITRETSALVYVYQADDFGSGOARDLGHV.GPISA

740 750 760 770 780 790
 PpTF510 **P**AVVVR**K**GHIVLVK**P**QGV**K**GLV**A**E**K**IL**S**YNDG...KAD**P**LV**K**CG**D**RS**D**ED**M**F**E**SI
 PpTF519 **P**VVVVR**K**RGHIVLVK**P**QGV**K**GLV**A**KV**L**IS**S**YSG...NAD**P**LV**K**CG**D**RS**D**ED**M**F**E**SI
 PpTF59a **P**VVVVR**K**GHIVLVK**P**QGV**K**GLV**I**V**L**IS**S**Q**R**SG...K**P**DP**L**FL**I**CG**D**RS**D**ED**M**F**E**SI
 PpTF56 **P**VVVVR**K**GHIVLVK**P**QGV**K**GLV**A**R**L**L**S**YSG...M**S**P**D**LV**K**CG**D**RS**D**ED**M**F**E**SI
 PpTF55 **P**VVVVR**K**GHIVLVK**P**QGV**K**GLV**A**E**K**IL**L**T**S**YSG...M**S**P**D**LV**K**CG**D**RS**D**ED**M**F**E**SI
 PpTF57b **P**AVVVR**K**GHIVLVK**P**QGV**K**GLV**A**E**K**IL**S**YMGNG...K**A**D**P**LV**K**CG**D**RS**D**ED**M**F**E**SI

800

PpTFS10 LSTVTSLPLLPSP
PpTFS9b SSTSYNPSQPVP
PpTFS9a VHSSSNPSAIA
PpTFS6 TSTACPAPPA

PpTPS1a FEPDLPPEP**M**GLPRKMTDGQKLPSERRSSLKVPSNKNASKSAQSKTQRLLLNGEKKNANH

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                                     810       820       830
PpTFS10      .....E.IFACVGVGRKPSKAAVYDDDSOVVLLKGL
PpTFS9b      .....E.IFACVGVGRKPSKAAVYDDVDVITLLKGL
PpTFS9a      .....E.VFACVGVGRKPSMAVYDDVDVITVILKVLG
PpTFS6       .....E.VFACVGVGRKPSMAVYDDVDVITVILKVLG
PpTFS5       .....E.VFACVGVGRKPSMAVYDDITITVIMLIGL
PpTFS7b      .....S.VFACVGVGRKPSKATVYDDITTEVINIMLIGL
PpTFS7a      .....C.VFACVGVGRKPSKATVYDDPSDVITIMLDA
PpTFS11      GIGNARVGRDNRKMSLHGGSVLDLGRVGRKPSMAVYDDVDVITVILKGL
PpTFS1a      SNGNPRWFPE.....KISINVLDLKREMYVSVGRTRINRAVLDSDSOVVSITET

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840 850 860

PpTPS10 **ATAS**SPKPRHLPHIQVSFFESYI
PpTPS9b **AA**DSLKPRCNWEIQAPPENFM
PpTPS9a **AAAS**STQPKFAOVQKSFEGFI
PpTPS6 **ASV**SECTVNL.....
PpTPS5 **ANAS**EKAAKSAPQPSQRVVILE
PpTPS7b **SESL**.....
PpTPS7a **EA**ASPPSSDGEFASP.....
PpTPS1b **AECS**.....
PpTPS1a **AGAS**SASS.....