

WD40-repeat 2

At-tp1 TEVSEPSQCRSLRLPEN-LRVAKISRLIFITNSGNAILALASNAIHLWKWRNERNATGKATASLPPQWOPASGILMTNDVAE-TNPEEAVPCFALSKNDSYVMSASGGKISLFNMMTFKTMATFMPPPPAATFLAFHPQDNIIAIGM 913
At-tp1 TEVSEPSQCRSLRLPEN-MRVTKISRLIFITNSGNAILALASNAIHLWKWRNERNATGKATASLPPQWOPASGILMTNDVAE-TNPEEAVPCFALSKNDSYVMSASGGKISLFNMMTFKTMATFMPPPPAATFLAFHPQDNIIAIGM 901
Sl-tp11 TEISESSQCRSLKLPEN-LRVTKISRLIYITNSGNVAVLALASNAIHLWKWRNERNTSGKATASVSPQLWOPSSGILMTNDVHE-PNHEEAVSCFALSKNDSYVMSASGGKISLFNMMTFKTMATFMPPPPAATFLAFHPQDNIIAIGM 914
At-tp4 TEISERSQRLRLRLPDT-LLPARVVKLIYITNSGGAILALAEAAHKLWKWRKSERNLLGKANVNPVQLWOPSSGILMTNDTRE-GNKEDVVPFCFALSKNDSYVMSASGGKISLFNMMTFKTMATFMPPPPAATFLAFHPQDNIIAIGM 923
Sl-tp14 TEISEFAQVRSRRLPDN-QLSVRIIRLMIYITNSGGAILALAYNAVHKLWKWRNERNVTGKASTAVPPQLWOPSSGILMTNDISD-TNPEEAVPCFALSKNDSYVMSASGGKISLFNMMTFKTMATFMPPPPAATFLAFHPQDNIIAIGM 921
Sl-tp15 TEINEPSQCRFLKLPDS-ATTFRVTRLIYITNSGYAILALAAAVHKLWKWRNDRHPTGKANASIVPQLWOPASGILMTNDIND-TNPEEVPCFALSKNDSYVMSASGGKISLFNMMTFKTMATFMPPPPAATFLAFHPQDNIIAIGM 922
At-tp3 AEILDPSQCFQATLPDTAGSSTKVVLITNSGAGILALGSGNGIQLRWKWPNEONPSGKATATVVPQWOPNSGILLMTNDVSG-VNLENAAPCFALSKNDSYVMSAAGGKVSLEFNMMTFKVMATFMPPPPAATFLAFHPQDNIIAIGM 898
Sl-tp13 TEILDQAQCRRLVITMPESSDSNNKVARLLYITNSGVGILALGSGNGTQKLWKWRNEONPSGKATANVVPQWOPNSGILLMTNDIVG-INLEEAVPCFALSKNDSYVMSAAGGKVSLEFNMMTFKVMATFMPPPPAATFLAFHPQDNIIAIGM 912
At-tp2 TEIVDPTQCRQVITMPESSDSVSKVARLLYITNSGVGVLALGSGNGVQLRWKWRNEONPTGKATASVTPQWOPNSGILLMTNDVDP--ENPEGSVPCFALSKNDSYVMSACGGKVSLEFNMMTFKVMATFMPPPPAATFLAFHPQDNIIAIGM 909
Sl-tp12 SDIADSSQLKRLKLPDF-LSASKVLRLLYITNSGLSVLALSSNAIHLWKWRNERNPSGSSAAVVPQWOPNSGILLMTNDVDP--ENPEGSVPCFALSKNDSYVMSAAGGKVSLEFNMMTFKVMATFMPPPPAATFLAFHPQDNIIAIGM 916
Sl-tp16 SKVVQISRCQSLRLPSE-VKTKNVCRLAYAQAGNILVALVTGGIHLWKWSESDSNTLQGTTPKCPQLWOPSSGVVPENSLLS-SDAGAVSPCFALTNNGFVALSAGGAVSIFNINLYKIMKSIITPPKPAATCIACHPTNNVIAVGM 1017
.....910.....920.....930.....940.....950.....960.....970.....980.....990.....1000.....1010.....1020.....1030.....1040.....1050



At-tp1 DDSTIQIYNVRVDEVSKLKGHSKRITGLAFSNVLNVLVSSGADAQLCVWNTDGWKQRKSKVLPLPQGRNSAPSDTRVQFHODQAHFLVVHETQLAIYETTKLECKMKQWAVRE-SLAPIIHAIFSCDSQLVYASFMDATVCFVSSANLR 1062
At-tp1 DDSTIQIYNVRVDEVSKLKGHSKRITGLAFSNVLNVLVSSGADAQLCVWNTDGWKQRKSKVLQIPQGRSTSLSDTRVQFHODQAHFLVVHETQLAIYETTKLECKMKQWAVRE-SAAPIIHAIFSCDSQLIYTSFMDATICVFFSANLR 1050
Sl-tp11 DDSTIQIYNVRVDEVSKLKGHSKRITGLAFSHVLNVLVSSGADSLCVWSDGWKQRARILQLP-GRSTSQ-SDTRVQFHODQTHFLAVHQAQIAIFETTKLECKMKQWAVRE-SAAPISHAIFSCDSQLIYASFMDATVCFVTAGHLH 1061
At-tp4 DDSSIQIYNVRVDEVSKLKGHSKRITGLAFSNVLNVLVSSGADSLCVWSDGWKQASKQIQIPSGHSPNLAHTRVQFHODQIHVLVVHETQLAIYEAAPKLECKMKQWAVRE-SEGSVIHAIFSCDSQLIYAFDDGVSIFIAAALK 1072
Sl-tp14 EDSSIQIYNVRVDEVSKLKGHSKRITGLAFSNVLNVLVSSGADSLCVWSDGWKQASKQIQIPSGRAINLAHTRVQFHODQTHLLVVHETQLAIYEAASKLECKMKQWAVRE--PNFAVTDATYSCDSQLIYAFDDGVSIFIAAALK 1068
Sl-tp15 DDSSIQIYNVRVDEVSKLKGHSKRITGLAFSNVLNVLVSSGADSLCVWSDTWKQTSKYLQIPAGRAAAPQADTRVQFHODQTHLLVVHETQLAIYEAAPKLECKMKQWAVRE-VTGPIIHAIFSCDSQLIYAFDDGVSIFIAAALK 1071
At-tp3 EDSTIHIYNVRVDEVSKLKGHSKRITGLAFSTALNVLVSSGADAQLCVWSDTWKQTSKYLQIPAGRAAAPQADTRVQFHODQTHLLVVHETQLAIYEAAPKLECKMKQWAVRE-VTGPIIHAIFSCDSQLIYAFDDGVSIFIAAALK 1046
Sl-tp13 EDSTIHIYNVRVDEVSKLKGHSKRITGLAFSTALNVLVSSGADAQLCVWSDTWKQTSKYLQIPAGRAAAPQADTRVQFHODQTHLLVVHETQLAIYEAAPKLECKMKQWAVRE-VTGPIIHAIFSCDSQLIYAFDDGVSIFIAAALK 1060
At-tp2 EDSSIQIYNVRVDEVSKLKGHSKRITGLAFSTALNVLVSSGADAQLCVWSDTWKQTSKYLQIPAGRAAAPQADTRVQFHODQTHLLVVHETQLAIYEAAPKLECKMKQWAVRE-VTGPIIHAIFSCDSQLIYAFDDGVSIFIAAALK 1057
Sl-tp12 EDSTIHIYNVRVDEVSKLKGHSKRITGLAFSTALNVLVSSGADAQLCVWSDTWKQTSKYLQIPAGRAAAPQADTRVQFHODQTHLLVVHETQLAIYEAAPKLECKMKQWAVRE-VTGPIIHAIFSCDSQLIYAFDDGVSIFIAAALK 1065
Sl-tp16 DDLEIIVVSVTEELISRLNGHSKRITGLAFSNVLNVLVSSGADSLCVWSDTWKQTSKYLQIPAGRAAAPQADTRVQFHODQTHLLVVHETQLAIYEAAPKLECKMKQWAVRE-VTGPIIHAIFSCDSQLIYAFDDGVSIFIAAALK 1166
.....1060.....1070.....1080.....1090.....1100.....1110.....1120.....1130.....1140.....1150.....1160.....1170.....1180.....1190.....1200



At-tp1 LRCRVNPSAYLPA--SLNSNVHPLVIAAHPQEPNMFVAVGLSDGGVHIFEPLESEKQWVAPPAEN---GSASGAPLAPSVGASASDQPOR 1148
At-tp1 LRCRVNPSAYLPA--SLNSNVHPLVIAAHPQEPNMFVAVGLSDGGVHIFEPLESEKQWVAPPAEN---GSASAVTATPSVGASASDQPOR 1136
Sl-tp11 MRCRIIPSAYLPS--SISNSNIHPVVVAAHPQDPNQFALGLSDGSHVHIFEPLESEKQWVAPPAEN---GSTNGMPTAPSIGASDQAPR 1147
At-tp4 LKCRIGPNSYLP--NPS-SRVYYPATVAAHPSEPNQFVAVGLSDGGVHIFEPLESEKQWVAPPAEN---GAG---PVSSAP-GSDQQR 1152
Sl-tp14 LRCRVNPAAYLPS--NPS-SRVYPLVAAHPSESNCQAVGLSDGGVHIFEPLESEKQWVAPPAEN---GVA---FGMSAATGLDQASR 1149
Sl-tp15 WRCRINPISYLP--NPS-ARVHPLVIAAHPQDPNQFALGLSDGAVIVLEPLESEKQWVAPPAEN---GNG---PSTSGAA-NSDQPOR 1151
At-tp3 LRCRISPSAYLPQ---GNQGLSPLVVAHPQDPNQFVAVGLSDGAVIVLEPLESEKQWVAPPAEN---AINSPSTISNQTPQOR 1125
Sl-tp13 LRCRVNPSAYLPA--SLNSNVHPLVIAAHPQEPNMFVAVGLSDGGVHIFEPLESEKQWVAPPAEN---GMLNGRVASSSTANNHAADQOR 1149
At-tp2 LRCRIAPSAVMPQTP--NSAIFPQVITAHPEPNQFVAVGLSDGGVHIFEPLESEKQWVAPPAEN---GMLNGRVASSSTANNHAADQOR 1148
Sl-tp12 LRCRIAPSAVMPQTP--NSAIFPQVITAHPEPNQFVAVGLSDGGVHIFEPLESEKQWVAPPAEN---GAMPSPSSSALNSQSETPSR 1152
Sl-tp16 PKVEIDPSTFLTS-DLSCSAHVFPVVVAAHPENPQLALGLSDGGVHIFEPLESEKQWVAPPAEN---LITNEQPI 1238
.....1210.....1220.....1230.....1240.....1250.....1260.....1270.....1280.....1290..



Supplementary Table 1 : NLS prediction scores computed with cNLS Mapper (Kosugi et al, 2009)

| SI-TPL | Score | Position | NLS sequence | Structure |
|----------------|----------|----------|----------------------------------|-------------|
| SI-TPL1 | 6 | 588 | RTYQGFRKRSLGVVQFDTTKNRFL | Bipartite |
| SI-TPL2 | 5 | 304 | HLMKRM RAG | Monopartite |
| SI-TPL3 | 5.8 | 283 | ILKRPLTPPATLGMLDYQSADHEQLMKRL | Bipartite |
| SI-TPL4 | 5.3/ 5 | 74 | FEIRKQKYLEALDRHDQAKAVEILVKDLKV | Bipartite |
| | | 163 | FPSLKNSRLRTLINQSLNWQHQLCKNPKP | |
| SI-TPL5 | 5.2/5.7 | -37 | FEIRKQKYLEALDRNDRPKAVEILVKDLKV | Bipartite |
| | | -249 | MLKRPRTPPTNNSAVDYQTADSEHMLKRSRP | |
| SI-TPL6 | 4.1/ 4.2 | -139 | RNRIMKILRVVIETNPQLNGKLHFPELTKSRL | Bipartite |
| | | -271 | MPKPSKAISAATPAQLVKQMPGPSKAISA | |