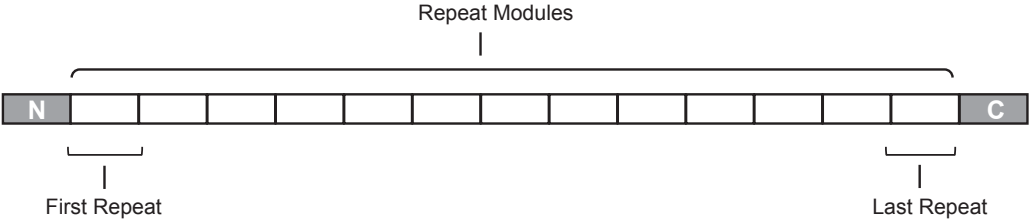


A.



B. 1. N-terminus

L.h. MaSp1 MTWSTRLLALSFLFVLCT--QSLYALAQANTPWSSKANADAFINSFISAASNTGSFSQDQMEDMSLIGNTLMAAMDNMG-
A.b. TuSp1 MVWLTSLIAFLVGFLGAVSSQSVAV-TAVPSVFSSPNLASGFLQCLTFGIGNSPAFTPQEQQDLDAIAQVILNAVSS--

L.h. MaSp1 --GRITPSKLQALDMAFASSVAEIAASE--GGDLGVTTNAIADALTSAFYQTTGVVNSRFISEIRSLIGMFAQASANDV
A.b. TuSp1 NTGATASARAQALSTALASSLTDLLIAESAESNYSNQLSELTGILSDCFIQTTGSDNPAFVSRISLISVLSQNADTNI

2. Repeat Modules

L.h. MaSp1 First Repeat GGTGQGGAGQGGAGAAAAAAA
Last Repeat GGAGQGGYGGYGQQGGAGAAAAAA

A.b. TuSp1 First Repeat SSSYTTTTSTSGSQAASQSASSAAAQASASSFAQASSASLAASSAFSSAFSSANSLSALGNV
GYQLGFNVANTLGIGNAPGLGNALSQAVSSVGVGASSSAYANAVSNAVGGQFLAGQGVLNAGN
AGSLASSFANALSASAASVASSAAAQSASQSQAAAAAFSRAASQSASQSAARSGAQ
Last Repeat SSSTTTTTSASGSQAASQSASSAAAQASASSFAQASSASLAASSAFSSAFSSANSLSALGNV
GYQLGFNVANTLGIGNAPGLGNALSQAVSSVGVGASSSAYANAVSNAVGGQFLAGQGVLNAGN
AGSLASSFANALSASAASVASSAAAQSAFQSQAASAFSRAASQSASQSAARSGAQ

3. C-terminus

L.h. MaSp1 SALAAPATSARIS----SHASALLSNGPTNPASISNVISNAVSQISSSNPGASACDVLVQALLELVLTALLTIIGSSNI
A.b. TuSp1 SGLGSSAATARVSSLSANSFASAISSSGGSLSVPTFLNLLSSVGAQVSSSSSLSSLEVTNEVLLEAIAALLQVINGGSI

L.h. MaSp1 GSVNYDSSGQYAQVVTQSVQNAFA-
A.b. TuSp1 TSVDL----RYVPNAQQDLVNALSG