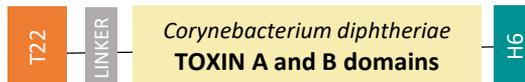
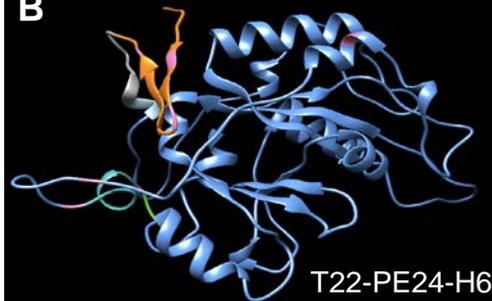


**A**

MRRWCYR**K**CY**K**GYCYR**K**CRGGSSRSSRHRQPRGWEQL  
 GGSPTGAEFLGDGGDVSFSTRGTQNWTVRLLQAAHQLE  
 ERGYVFGYHGTFLEAAQSIVFGGVAARSDLAAIWAGFY  
 IAGDPALAYGYAQQDEPDAAGRIRNGALLRIVYVPASSLPG  
 FYRTSLTLAAPEAAAGEVERLIGHPLPLALDAITGPEEEGGRL  
 ETILGWPLAERTVVIPSAIPTDRNVGGDLDPSSIPD**K**EQAI  
 SALPDYASQPG**K**PPREDL**K**HHHHHH**K**DEL

**B**

MRRWCYR**K**CY**K**GYCYR**K**CRGGSSRSSGNRVRRSVGADD  
 VVDS**K**SFVMENFSSYHG**T**KPGYVDSIQ**K**GIO**K**PKSGTQG  
 NYDDDD**K**GFYSTDN**K**YDAAGYSVDNENPLSGKAGGV**K**V  
 TYPGL**T**KVLAL**K**VDNAET**K**ELGLSLTEPLMEQVGT**E**F**K**R  
 FGDGASRVVLSLPAFEGSSSVVEYINNWEQA**K**ALSVELEIN**F**  
 ETRG**K**RGQDAMY**E**YMAQACAGNRVRRSVGSSLS**C**INLDW  
 DVIRD**K**T**K**I**E**SL**K**EHGPI**K**N**K**MS**E**SPN**K**TV**S**E**E**K**A**KOYLE  
 EFHQ**T**ALEHPELSEL**K**TV**T**GTNPVFAGANYAAWAVNVAQ**V**  
 DSETADNLE**K**TTAALSILPGIGSVMG**I**ADGAVHHN**T**EEIV**A**Q  
 SIALSSLMVAQ**A**IPLVGELVDIGFAAYNFV**E**SI**N**LFQVVH**N**S  
 YNRPAYSPGH**K**THHHHHH

**C**

	n <sup>aa</sup>	n <sup>o</sup> Lys	Size (nm)	PDI
T22-PE24-H6	269	7	48.5 nm ± 0.9	0.39
T22-DITOX-H6	426	31	47 nm ± 17	0.27

HeLa cell viability (%)	THP1 cell viability (%)
9.4 ± 0.2	99 ± 6
24 ± 2	3.0 ± 0.2

**D**