

Table 1 – Predicted Protein Sequence for Ricin Toxoid						
1	MRGSHHHHHH	TDP	MIFPKQY	PIINFTTAGA	TVQSYTNFIR	AVRGRLTTGA
51	DVRHEIPVLP	NRVGLPINQR	FILVELSNHA	ELSVTLALDV	TNAYVVG YRA	
101	GNSAYFFHPD	NQEDAEAITH	LFTDVQNRYT	FAFGGNYDRL	EQLAGNLREN	
151	IELGNP LEE	AISALYYYST	GGTQLPTLAR	SFIICIQMIS	<u>AAAS</u> FQYIEG	
201	EMRTRIRYNR	RSAPDPSVIT	LENSWGRLST	AIQESNQGAF	ASPIQLQRN	
251	GSKFSVYDVS	ILIPIIALMV	YRCAPPPSSQ	FSELLIRPVVP	NFNADVCM DP	
301	EPIVRIVGRN	GLCVDVRDGR	FHNGNAIQLW	PCKSNTDANQ	LWTLKRDNTI	
351	RSNGKCLTTY	GYS PGVYVMI	YDCNTAATDA	TRWQIWDNGT	IINPRSSLVL	
401	AATSGNSGTT	LTVQTNIYAV	SQGWLPTNNT	QPFVTTIVGL	YGLCLQANSG	
451	QVWIEDCSSE	KAEQQWALYA	DGSIRPQQNR	DNCLTSDSNI	RETVVKILSC	
501	GPASSGQRWM	FKNDGTILNL	YSGLVLDVRA	SDPSLKQIIL	YPLHGDPNQI	
551	WLPLF					

Amino-terminal histidine-tag and plasmid amino acids
Mutagenized catalytic Glu and Arg residues (E191A and R194S)