⊡HHO⊡⊡/RZHU⊡⊡7⊡RGRO⊡R⊡4⊡
+⊡HHD⊡,⊡HY⊡FLH⊡GRR⊡H⊡
FR⊡HVHG KH⊡⊡ ⊡N⊡ GR⊡⊡ *MBio*
GRLP⊡R
6K-+ZD⊡RHUH⊡HLG⊡UGR⊡HQ
HW⊡O 6WKW⊡O D⊡ I⊡RQ⊡O EDVHV IRU EURDG
VSHFWRHW⊡DOL⊡RQ⊡IDQ⊡KR⊡QO⊡
D⊡UXHV Nat Struct Mol Biol
GRL⊡PE
5RRVH.)LHUV6DHOH⊡3D⊡HPLFSUHSDUHG⊡VV
⊡RZDUG D⊡HUVDO LQ⊡D⊡ DFFLQ Drug News
Perspect GR⊡
⊡PE 5⊡RRSSLQ:,GH⊡LFDW⊡RQ I D VHFR⊡
SURW⊡LQ H⊡RGHG E\U⊡ VHJPH⊡RI LQ⊡D⊡
⊡UX Virology GRL
⊡PE 5⊡HEHGH 6/5FKDUGVRG⊡QD⊡
⊡UX P SURW⊡LQ DQ⊡ JUDO PHEUDE⊡ SURW⊡LQ
H⊡SUHVVHG RQ⊡H LQ⊡FW⊡GFHOO V⊡IDE⊡ell GRL
⊡6+⊡D⊡5⊡Q64⊡RX⊡VLJQ⊡
LQ⊡LELW⊡RUV RI P SURW⊡D⊡HO DGDJQ⊡VWQ⊡ZLH⊡
LQ⊡D⊡ ⊡UX PLoS One H GRL
MRN⊡OSR⊡
⊡RX⊡LDQ65HVHDUFKDQGH⊡HORSPH⊡I
⊡HUVDO LQ⊡D⊡ D⊡FFLE⊡V Microbes Infect
GRLMPLFLQ
⊡X⊡HUHU -. ,Q⊡D⊡ ⊡UX KHPDJJOL⊡Q
FOHD⊡JH LR⊡KD KD 1R OD⊡KLQPD⊡U Proc Natl Acad Sci U S A GRL
S⊡V
⊡PPDND⊡⊡RQ+HSOHU5⊡OODKD⊡
*+HLGHFNHU *1DMDU⊡HW⊡O HVJR⊡I D⊡KD*
EDVHG HVFKHULFKLD FROL H⊡PUHVVHG LQ⊡D⊡
LPP⊡QHQ⊡HW⊡SURW⊡FW PLFH IURP SDWKRJHQF
FKDOOHQ⊡H Proc Natl Acad Sci U S A GRL
S⊡V
+LUVW. ⊡H TX⊡W⊡H GH⊡UPLQ⊡RQ I*
LQ⊡D⊡ ⊡UX⊡ DQ⊡ D⊡ERGLHV E\PHD⊡QI UHG FHOO
DJJOL⊡QW⊡RQ J Exp Med GRL
MHP
⊡HQ EDQ⊡ KRPH⊡QW⊡RQ FHW⊡U IRU ELRW⊡FKQRORJ
LQ⊡RUPD⊡W⊡RQ
KW⊡ZZZ⊡ELQPQKJRQFRUH&⊡Q
KW⊡ZZZ⊡ELQPQKJRQFRUH&
+DJLQ 7+LUX6)⊡LRND 6 5LTXPDURX+
D⊡W⊡EH⊡GSW⊡HVQUVRQVEHFKORFD⊡W⊡
EDW 3DPP SURPHW⊡G D⊡W⊡H W⊡ ,⊡HUQ⊡W⊡O
6PSRVL⊡R⊡QHUZ⊡W⊡HFKQORJ\3⊡5
⊡RNR-DSQ
⊡WRQHUD⊡W⊡RQ⊡O6D⊡DEDVHRQH
,⊡HUQ⊡@5HVRXFH3⊡OLFD⊡W⊡RQ⊡O⊡DLODEOH
IURP
KW⊡ZZZEDW⊡RQJSGIVEDW⊡PLQ⊡VEDW⊡PLQ⊡VB
SGI
⊡HQ VFULSW⊡DUH FRGRQ⊡QO⊡VLV⊡RO⊡D⊡EDVH⊡RQH
,⊡HUQ@ ⊡DLODEOH IURP
KW⊡ZZZJHQFULSW⊡PFJL
ELE⊡ROVUHBFRGR⊡D⊡QO⊡VLV
+D⊡KDG⊡WLHVRQ⊡D⊡IRUPDW⊡QIHVFKHULFKLD
FROL ZLW⊡SODVPLJ⊡Mol Biol
GRL6
6KDSLR⊡R⊡QOD (⊡DLHO -9⊡U⊡ROHFU⊡DU
ZHLJKW⊡HVV⊡PD⊡RQ RI SRO⊡SHSW⊡GH FKDLQ E
HOHFW⊡RSKRUHVLV LQ⊡GVPRO⊡FU⊡ODPLG⊡ Biochem Biophys Res Commun GRL
[
⊡RZELQ⊡ 6W⊡HKHOL⊡RUGRQ(OHFW⊡RSKRUHW⊡F
W⊡D⊡QHU RI SURW⊡LQ IURP SRO⊡DFU⊡ODPLGH JHOV⊡W⊡
Q⊡WRFHOU⊡RVH VKHHW 3URFHGK⊡H D⊡ VRPH
DSSOLFD⊡RQ Proc Natl Acad Sci U S A GRLS⊡V
)LHUV⊡H)LOHW⊡W⊡O ⊡NNRX⊡L.6FKSHU⊡%
5RRVH.6FKRW⊡DHUW⊡HW⊡O ⊡EDVHG ⊡HUVDO
LQ⊡D⊡ D⊡FFLE⊡ Vaccine GRLM⊡DFFLE⊡
H⊡/R⊡R.-)LHUV:6DHOH⊡;⊡EDVHG
⊡HUVDO LQ⊡D⊡ D⊡FFLE⊡V Vaccines GRL⊡DFFLE⊡V
6FKRW⊡DHUW⊡H)LOHW⊡)LHUV:6DHOH⊡;
⊡HUVDOPHFW⊡GRPDL⊡DHGLQ⊡D⊡FFLE⊡V
3UHFLQFDO DQ⊡ FOLQFDO GH⊡HORSPH⊡W Rev Vaccines GRL⊡HU
+DVKHP ⊡3URSHFW RI KDEDVHG ⊡HUVDO
LQ⊡D⊡ D⊡FFLE⊡ Biomed Res Int GRL
.UPPHU)3DOHV3⊡DDHVL⊡H GH⊡HORSPH⊡W
RI LQ⊡D⊡ ⊡UX⊡ D⊡FFLE⊡V Nat Rev Drug Discov GRL⊡G
⊡DL5⊡HGD+.LW⊡DPD⊡DPLD11DJDPP⊡
7HVLJ⊡RI WH OL⊡HUV ZKLFK HIIHFW⊡WH\VHDUW
GRPDL⊡RIDELE⊡W⊡QOIXLRS⊡RUW⊡LQ Protein Eng GRLSURW⊡LQ
$KDLSRX. 6KPVUD⊡3LOHKFKLD⊡D⊡URG⊡L
5⊡KRUDVKL6$⊡QLOLFR⊡IXLRQ⊡HPVLORQQ⊡EHW⊡
W⊡LQHQVRIFORVW⊡GLGR⊡SHUIUL⊡HQ⊡WHV D⊡% Iran J Biotechnol
3LOHKFKLD⊡D⊡URG⊡L 5 $KDLSRX. 6KPVUD
0⊡DEEDUL$⊡+DELEL5⊡RG⊡U⊡L+HW⊡)⊡LRQ
RIFORVW⊡GLGR⊡SHUIUL⊡HQ⊡WHV D⊡%⊡HPVLORQQ⊡
EHW⊡W⊡LQHQVD⊡LW⊡FORQ⊡L⊡FRO Arch Razi Inst