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'HSDUWPHQW RI &HOO DQG '[illegible]

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,('8&$7,21

3UHVHQW3RVW GRFWRUDO 5HVHDUFK)HOORZ

'HSDUWPHQW RI &HOO DQG 'HYHORSPHQWDO %LRORJ\

9DQGHUELOW1 8QLYHUVLW\ 6FKRRO RI 0HGLFLQH 86$

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*UDGXDWH VW[illegible]RRQ\WRQ 2+ 8QLYHUVLW\ RI 'D\WRQ 'D\WRQ 2+

x 'LVVHUWDW[illegible]PHFKDQLVP[illegible]P R0 D

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:DVKPDUH3,DJHF&DZ $ 0DWUL[0HWDOORSURWHLQDVH FOHDUHG WR UHVWULFW H[WUDFHOOXODU SURWHLQ WR UHVWULFW

*DUU(&WDXFKW%LHOSDZ6KHHUDW:DVKPDUH+HVWRPHU'F&DE6WRZHUV 56 &HU6WHO 7KH PDWULFHO'UXJV RI SK&LDWHULQTXLUHG IRU V\QDS WUDQVPLVVLRQ DQG HQHPDO2FHVIHUWLJOHQWV\WLFV L\DF 2QOLQH SULQW

:DQJ ; /D)HYHUJK6PDUH3,DJHF&DZ $ ([WUDFHOOXODU VSUHDGLQ UHTXLU'HUR VRSKRLDQH3VOLV6 *HQHWLFV '2, MRXUQDO SJHQ

:DJKPDUH:DQJ ; 3DFJ&DZ $ 'OOLNH 3URWHLQ VHTXHVWHUV PXC LQ WUKRVRSJKLOFDU'HXP%LR '2, M \GELR

0LQDWD 0 $XGLD $ 6KL - /X 6 %HUQVWRFN - 3DYO\XNRY 06 'D 6QJGK:DJKPDUH HW DO 3KHQRW\SLF SODVWLFLW\ LQY FHOOV LQ UHVSRQVH W&RQ5HJXODWDGLDWRQ M FHOUHS

&KHQJ 3 :DQ:JJKPDUH6DUWL&RRLY6HG+RQ9J.L=P 6+RK\HG3LDQY\XNRY 06 0LQDWD0HQW&RK&/SD%5HD'3VJXSW'D %RWWDQ&RLQJK 0 1DNDQR ,)2;' $/'+ $ VLJQDOLQJ LV D GHWHUHPLQDQW U WXPRULJHQLFW\ RI PHVHQFK&DQGHUO5RPD VWHP FHOOV

:DJKPDUH.DQGJRQJK 0 /RVV RI FHOO DGKHVLRQ LQFUHDVHV SRODULW\VGHULEHGQW3/RO2QH H '2, MRXUQDO SRQH

.ZRQ A:DJKPDUH9HUJKHVH 6 6LQJK $ 66LQQJK 0$.'DQRJVR S&KLOD WHUPLQDO 6UF NLQDVH UHJXODWHV JURZWK %LR WKH +LSSR V

9HUJKH:DJK6PDUH.ZRQA ++DQHV . 6DQJK 0 6FULEEOH DFWV LC 'URVKRLSODDWLSSR SDWKZD\ WR UHJX3OHWVQHUWH DFWLYLW\

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:DJKPDUH3,DJHF&DZ $ 5HJXODWLRQ RI :QW GL'VWVURSEKWLDQ JO\SLFDQXUQDO RI &HOO 6FLHQF'2, MFV

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