

\$ F M M V M # B D Z I N D Z T P S N B Z O P U 1 S P E V D F & (M V D P
& O W J S P O N F O U B M 0 S J H J O & " \$ B T F 4 U V E Z

0DWHULD OV DQG 0HWKR GV

H LVRDWHG EDFWHULDO FDRQHDSQHVFDRWILPRQJRFOHDU]RQHV
 * UDPdV LRGLQH VROXWLRQ ZHUH VHOHFWHG DV FHOOXODVH SURGXFHUV =RQH
 & K\GURO\VLV RI WKH LVRODWHV DUH JLYHQ LQ WKH 7DEOH \$PRQJ WKHP
 LVRODWHV JDYH WKH PD[LPXP UDWLR RI FOHDU]RQH GLDPHWKHU WR FRORQ\\
 GLDPHWKHU RQ WKH & DJDU SODWH DV FRPSDUHG WR SODWHV FXOWXUHG ZLWK
 WKH RWKHU VWUDLQV H\RLH\KHO\XOD\WMSOLDR\GH\K\H\DV
)R\B\RQ\}UPW\QH\LU FHOOXORO\WLF DFWLYLW\ DOO WKHVH LVRODWHV ZHUH WKHQ
 DQO\]HG IRU VHFRQGDU\ VFUHHQLQJ E\ & DVH DFWLYLW\ DVVD\

6LWHV	6DPSOH QR	7RWDO DEHQHGRDV
%LRJDV SODQW	HIOXHQW	% %
'DLU\ HIOXHQW		' '

7DEOH\H\LU\H\Q\W\H\ VHOHFWHG IRU VDPSOH FROOHFWLRQ WR LGHQWLIV
 FHOOXODVH SURGXFHUV

6 QR &HOO QDPH &RQ-FRQ\H GLDPHWKHU] Q PP
 GLDPHWKHU] PP

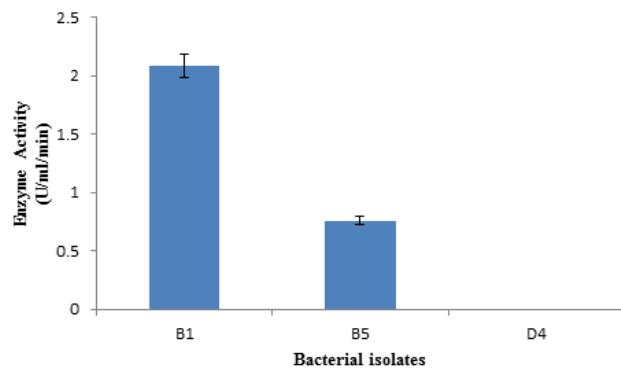
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)LQDOO\ LGHQWLILHG E\B\W\H\Q\Q\V\ VS %DFLOODXV VS %DFLOODXV VS

UHHFHOOXOROWLF EDFWHULD L%&R&D&D&H&K&V LQ WKLV VWXG\ ZHUH
 VXEW&L C&L&D&F&L&O&O&X&V D&P&I&Q&R&D&Q&G&E&L&D&F&L&K&H&Q W&X&E&W&L&O&L&V
 EDVHG RQ SK\ORJHQHWLF DQDO\VLV RI 6 U'1\\$ VHTXHQFH
 'HWHUPLQDWLRQ RI • JOXFRVFLGLDGDH\ ID FD&F&M&L&W\ DVVD\
 ZDV FDUULHG RXW ZLWK FXOWXUH VXSHUQDW&DQW RI WKUHH EDFWHULD O LVROI
 KDYLQJ KLJKHU &0&DVH DFWLYLW\ E\ XVLQJ P0 S13* DV VXE&VWUDWH
 \$VHWUPLQDWLQJ WKH UHDFWLRQ DEVRUEDQFH ZDV WD&NHQ DW QP XVLQJ
 &HFWURSKRWRPHWHU \$PRQJ WKH WKUHH VHOHF&WHG FHOOXOROWLF EDFWHUL
 VWUDLQMKRZ&H G KLJKHU DEVRUEDQFH WKXV LW FDQ SURGXFH •
 JOXFRVFLGDV&M&K&Z&H&H&Q&H&J&D&W&L&Y&H UHVXOW WKXV LW GRHV QRW KDYH •
 JOXFRVFLGDVH DFWLYLW\ VKRZLQJ LQ)LJXUH :LWKLQ WKHVH WZR VWUDLQ %
 SURGXFH KLJKHU DPRXQW &RFF&RJ&G&L&F&Q&J&V W&R&D&M&H&J X&W&K&D&Q %



)LJXUH&RPSDULVRQ RI • JOXFRV&G&Q&H' DFWLYLW\ RI %
 LV&O&D&W&R&G&A&P&X&S&H&T&U&G&I LQGHSHQGHQW H[SHULPHQWV Q %