

		% IDENTITY with:	% IDENTITY with:	% IDENTITY with:
PROTEIN ID, Human fecal	PROTEIN SEQUENCE	Bilophila 3_1_6	Bilophila 4_1_30	Bilophila _ATCC_ 49260
TMA methyltransferase	MQAGAERALNRLMTALAGASVLFQG GMLETGLTFDIPTLLVDDEIIDYV	100%	100%	100%
TMA methyltransferase	FGEGIFTHDLETGERRSTVKQDAVDILR VVDSLNDNIHIYNRAIGPQDVPSESASM HNAEVAFICYTSKPMHLVSGSPFQTKK MIKMAEIAAGGKEELKRRPRTAFNHTTI SPLRISHEACENAMIVAEAGLPNHILVM VQQGATSPISYAGSVAVHNADFLAFNT LMQCVNRG	100%	100%	100%
Pyl biosynthesis protein PylC	EaelRAYIPEGFDAEGWVLESYCPGPSF SLEICGTPGNyRIFQVTDLLMDEAFD	98%	100%	100%
Pyl tRNA synthetase N-term	WRMTDEDSAVYGETSDFVDKNGMEL ASSALGPHPLDAAWGIMENWVGIGF	100%	100%	100%
Pyl biosynthesis protein PylD	AGHLGFEADVLPADVPGFQLAKSGGF DLFIWADDDTYLAENILGTGTVGENGRA TGRGFATALIRMAARKRLDKRALVPGA GPVGCAGAETLALAGYE	100%	100%	100%
PROTEIN ID, Mouse cecal				
TMA methyltransferase	YVGEENFEERCPVTFNTCPISPLKLTAD VCEVIMTAARNGATVNVLSMGMAGG STPVNLAGALVVHNCEALAGLVLAQTT RRGAKFIYGSSTAMDLYGAAVVGTP ELAVLNAGVAAMARYYKLPSWAAGG OGDSKCGDAQSGHEKTLTGLLPMLAG ANIIYGLGMLEMGMTISYSQLLMDAE MAEMMLFSMDGIVVNDETLSVDVIKE VGPSDFLAHMNTFENMYIQSKPKLIDR LTRDRWNEAGHLDMESRALIAAKELLA TWEPEPLPEEACARVRAVLNAAERDYG VPESLE	100%	100%	99%
TMA methyltransferase	QCVNRGNPTLYGASACVMDMKKGLSL VAAPEVFLNAAMARMSKYYNIPSYIA GGOTDSICNDVQAGAERALNRLMTAL AGASVLFQGGMLETGLTFDIPTLLVDD EIIDYVLRMLAGFKVDATTLSTDLIKEVG PFGTYLAEMNTFEHLG	99%	99%	99%

Pyl tRNA synthetase C-term	AGIEGWRMTDEDSAVYGETSDFVDKN GMELASSALGPHPLDAAWGIMENWV GIGFGLERLTMAATGESTMAKTGRSLS YLHGIRLRI	100%	99%	100%
Pyl biosynthesis protein PylB	WYACYQETHNRDLFTRLRLEQDYDRRK RTRLEAAGCGLLAEDGLLTGVGESAEDL ADSILDMAREPLDQVRAMSYVPHESTF PSTAGDTLEERRAHELLAIAAMRLVME DRLIPASLDVDGLEGLAMRLKAGANVV TSIVPSGCGLAGVASKDLDIENQRRSVA AVVRQLGVLGLEPALPGEYRAWVEQR RRGEER	99%	99%	99%
Pyl biosynthesis protein PylC	GDRKFLEGGGRMRVTIVGGGLQGVEL CWLARKAGWGTLVDERPAPPALRLA DVFAQCDVTKLGGSGVLTR	100%	98%	100%
Pyl biosynthesis protein PylC	REMEAALLNLAEMLRHLMDLEVIQ APEGMRVLEIDARFPSQTPTAVWLSTG VNLAEHLAACFFPYAPGSGLGAPRFAR YEHVLCKDGGLHFLGEHIMGQFGPLEP VNGFCGADEALVGGSSL	99%	98%	100%
Pyl biosynthesis protein PylD	GENGRATGRGFATALIRMAARKRLDKR ALVLGAGPVGCAGAETLALAGYEVFLC DMDGEKARAACGALSGCTPCTPDDL GLPLFECLLDAAPTNDFFP	99%	98%	100%
Pyl tRNA synthetase N-term	PLPNLPLPLPTSSFPSTLKSEIAMSETPTT RPAPKQRTYRKNQFLFALIGKMKLWPS RKGILHGIRTMEIAGDH	100%	100%	100%