

Supplemental Figure 12A

All peptides from FLAG pulldown and sequencing are below. Those that are highlighted in yellow are included in the sequence of Msm-FecB (MSMEG_1039) and the coverage of these peptides is depicted in pink. The first 42 residues are not observed suggesting that the signal peptide has been processed.

AADPDLILGSAALTPGAFGELSDIAPTFTGTPGAAWR;
AAPDVAAIR;
ADAVLKGDRAW;
ADAVLKGDARW;
AGAADDLIAGFEDAAR;
AGAADDLIAGFEDAARK;
AVGAATGR;DKADAVLK;
DKADAVLKGDRAW;
DTLRAVGAATGR;
FTDKPYEEIPADSDDFSIADADIVYVSFASPAAR;
IADAGVLGNQR
IVAAALPDGSDAQPSYLGTVVHDVPPAGDR;
VVLSGDQLDALCALGLQSR;
KLSANRDNR;
KTGEDNDAAHFQASVVQLTENTVR;
LSANRDNR;
NATADGADIAETTEVAGDPQR;
PDESCAPEPVAADPAPR;
RPDESCAPEPVAADPAPR;
RPDESCAPEPVAADPAPRR;
TGEDNDAAHFQASVVQLTENTVR;
VFGADNFPGDVLAAVGLDR;
VFGADNFPGDVLAAVGLDRPAAQR;
VFVNNNEVWQTGQNIVAAR;
VRNATADGADIAETTEVAGDPQR;
WVNAPIN

MSEMG_1039 (FecB)

We don't see the first 42 residues

MLTFRPLVGTALIAAAASLISGCGTSGEQPVTQPSMTTSVTKIADAGVLGNQR
PEPVAADPAPRRVRNATADGADIAETTEVAGDPQRIVVL
SGDQLDALCALGLQSRIVAAALPDGSDAQPSYLGTVVHDVPPAGDRAAPDVAAIRAADPDLILGSAALTPGAFGELSDIAPTFTGTPGAAWRDTLRAVGAATGRAGAADDLIAGFEDAARKTGEDNDAAHFQASVVQLTENTVRVFGADNFPGDVLAAVGLDRPAAQRFTDKPYEEIPADSDDFSIADADIVYVSFASPAARDKADAVLKGDARWKL SANRDNRVFVNNNEVWQTGQNIVAARGILDDLWVNAPIN

Supplemental Figure 12B

FecB2 (MSMEG_0438) peptides coverage. 95% including the apparent signal peptide.

RGFLAVTAGLALVAACSTDKPGEVADDGSVTVR;
GFLAVTAGLALVAACSTDKPGEVADDGSVTVR;
PGEVADDGSVTVR;
HAFGDTTIPGPPQR;
VVSAGLTEQDDLLAVGVPIAVTDWFGGEPFGVWPWAQR
QLAGAQPAVLNLDNGIPVEEIAALKPDLIVATNAGLDADTYAK;
LSEIAPTVAQTGSEAFFEPWK;
LSEIAPTVAQTGSEAFFEPWKDQATIIGQAVFK;
DQATIIGQAVFK;
NAEMTELIK;
NAEMTELIKSVDDR;
NAEMTELIKSVDDRFTTVK;
SVDDRFTTVK;
TDHPQFSGKK
TDHPQFSGKKALLLGGTLYR;
SVDDRFTTVKTDHPQFSGK;
FTTVKTDHPQFSGK;
FTTVKTDHPQFSGKK
TDFLTQMGLTVLQVPALIPR;
TDHPQFSGK;
KALLLGGTLYR;
ALLLGGTLYR;
ALLLGGTLYRGGVQATPPGWR;
GGVQATPPGWR;
DEIASVLDGADVLIWTTESDQDR;
DEIASVLDGADVLIWTTESDQDRDALLADPIVAQLAATR;
DEIASVLDGADVLIWTTESDQDRDALLADPIVAQLAATRR;
DALLADPIVAQLAATR;
DALLADPIVAQLAATRR;
DRNIFTTK;
ELAGAIASFASPLSYPVVADQLPPELAR;

MSMEG_0438

MPRPLTRRGFLAVTAGLALVAACSTDKPGEVADDGSVTVRHAFGDTTIPGPPQRVVSAGLTEQDDLLA
VGVVPIAVTDWFGGEPFGVWPWAQRQLAGAQPAVLNLDNGIPVEEIAALKPDLIVATNAGLDADTYAK
LSEIAPTVAQTGSEAFFEPWKDQATIIGQAVFKNAEMTELIKSVDDRFTTVKTDHPQFSGKKALLLGG
TLYRGGVQATPPGWRDFTLTQMGLTVLQVPALIPRDEIASVLDGADVLIWTTESDQDRDALLADPIVA
QLAATRRDRNIFTTKELAGAIASFASPLSYPVVADQLPPELARVLG