

S1. SbEPFs protein sequences.

Sobic.001G106500 (SbEPF1)

MELQLYYSTSLLLLLLLPSSSSSHGLRSADGTRALHYRLKDPHPPKVGEGAA
ESLIGSRPPRCDGKCAPCGRCEAVQVPVAPRVDSRAGEGDADEPRRRGRDGL
LLGSVDEESYTDYKPLNWRCRCADRRALDP*

Sobic.001G140400 (SbEPF2)

MGHIFLLLVLLLTSTRATAAVHARASAIIEEASFAGIRGVIGSRPPSCAGRCRS
CGHCEAVQVPVSPQQQLQRKKKEGLGHSSRAAAAAATTGGRAMPASYYDDHS
NYKPLSWRCKCGRHILDP*

Sobic.001G496400 (SbEPF3)

MGWPPSCGLGRRRRGLSATLPLFVVVLLLLLLFFSTPGTCGTPAKGSGGLVAP
PTTTTEEDGYSSWDPAAARRGLVGPGSSPPTCRSRCGGCHPCRPHVAIQ
PGRSFPLEYYPEAWRCKCGNKLFMP*

Sobic.002G025300 (SbEPF4)

MVHLLQCRRCSGSVHKLFLFSILLLLTSSMAVAFSDASDTRRLPLMLQPEDKE
AVAADDKQPLEAGGRRRSRGETTEARRRRGLIGSRPPRCERVCMSCGHCEA
VQVPIVPQHEEEKARASASAVTLAAAMFTYRVDGISNYKPLSWKCRCGGTIL
DP*

Sobic.003G339600 (SbEPF5)

MECSRGRRRWRWCGRSMLKLAGLCCFAVAIVICFCGVRSWACSASACRGRS
TVLLRSEPWGRGRAAAASCDNQGCYINTGVQGGQWRLLAEGPGSYPPRCT
SKCGDCSPCYPVHVAVPPGVPVTTEYYPEAWRCKCGNRLYMP*

Sobic.003G399800 (SbEPF6)

MANGCPTTTTSSLLLFLLSCLLIGHALCSQGHNGRTSGADSVVQYPHQELPA
KHIVLQEAVKGLNKGILSKYTRMLIGSIAPICTYNECRGCRFKCTAEQVPVD
ANDPMNSAYHYKCVCHR*

Sobic.004G229700 (SbEPF7)

MAVSCSPRRALIAAVSLCFLPGAATSIRTATFSPSQNLAEDKSRLGSTPPSCHN
RCSACNPCMPVQVTTAPGLGRAARVADDTVTVAGFSRYSNYKPLGWKCRC
DGRLYDP*

Sobic.005G166500 (SbEPF8)

MMGAVTCRSRTSRRRCHAATALLAAVLFAAAMVVATGRPVRPAAALARR
RIDSSSTAMIMNAGGRAATTTTRWTAGAAMDVLPAAARRRWLVGPGSSPP
TCRARCGRCTPCRPTRVAIQPGVGPQWEYYPEVWRCKCGNKLFMP*

Sobic.006G104400 (SbEPF9)

MRMRESSACRCRPRIWWSPAPAAAVVLVLLLLITTSSSTHVADGGVRTTPR
AYGPGDAGVLDDAEAPAAAGGARRASSRATYKFPADRTSEDEGSLVVVEED
RRWWLKDRAATGSRLPDCAHACGPCSPCRRVIVSFRCALMADESCPIAYRCM
CRGRFFRVPS*

Sobic.006G233600 (SbEPF10)

MLAIAAAIYMCTLGAETTYVQVQLARPRLAQHWSNRALRCLPGSRSQCSAA
ATPRRLSSQHCEAYAVSLGLMGRHAGVVLLALTVVLLAAVGDGIRPAPTA
GASEMVHGSTTTTTEMVVVAAPSAAQVQGKRSRGGKDDDLVREEVVRAT
GSSLPDCSHACGACSPCSRVMVSFKCSASEPLPCPMVYRCMCRGKCYPVPSS*

Sobic.007G197500 (SbEPF11)

MAAAYGSTRQQQLRRCVALCCLLLVAVLVIIGYAVLADARAGSPRTDEVA
LQTGQLQGFSRRSSTEALTTTTTTAAAGGWTALDTEQQAAAGGGGRRRMLV
GSRAPTCTYNECRGCRHRCSVQEVPIDASDPINSAYHYKCICHL*

Sobic.009G173200 (SbEPF12)

MVVQVMPPPLLMVGRQQPRWWWRGSSGSARSTTLGGVAVVVALLVSLC
FIGSRFTGTQLGGCSTLAALASSDSGRRTVAAAAGAAHPGGQVVATDETQEE
RVYYIIARRRRRLLSGGLGSHPPRCTTKCGSCNPCYPVHVSVPGLVTTEYY
PEAWRCKCRNQLYMP*