# S7 file. Predicted epitopes in *S. stercoralis* proteins in fasta format.

**Part 1**: Epitopes in 328 DE gut stage proteins. 125 epitopes were predicted by BepiPred 1.0 and a further 108 by bcepred. BepiPred epitope fasta headers are in the format:

‘WBPS transcript ID\_arbitrary protein family cluster\_peptide 0 (if the only epitope in that protein) or numbered if more than 1 epitope originated from that protein. The final digits are sequential, unique, epitope IDs assigned during this study. Bcepred epitopes continue the sequential numbering.

**Part 2**: Epitopes in 1,057 *S. stercoralis* orthologues of *S. ratti* E/S proteins. BepiPred n = 747 . Bcepred n = 62.

## Part 1: DE proteins

>SSTP\_0000032300.1\_clusterB\_peptide0.1

TTTTTTTTTTASTTTTPTTTSTTPTTTPAPTTKNGKK

>SSTP\_0000165100.1\_clusterC\_peptide0.2

QEESSEGDSTSDEDISTSDSSLDDGEVSDSSEDL

>SSTP\_0000270800.1\_unnamed\_peptide0.3

PKPKTTTQAPEEPEGPEEPEGPEEPEGPEGPRDNDDDVDEEDERD

>SSTP\_0000289100.1\_POP\_peptide1.4

KPPYCKPPPCKPIPPPTCEPVPPPTCE

>SSTP\_0000289100.1\_POP\_peptide2.5

LKPSKPSKPPKPSTPQKPSTPQKPKTTPKGTTT

>SSTP\_0000385700.1\_unnamed\_peptide0.6

QDSNGLKKDAEANSAGAQAANSAGAQAANSAGAQAANSAGAQAANSAGAQAANSAGAQAANSAGAQAANSAGAQAANSAGAQAANSAGAQASDENKHKS

SKDSGDRVSNGASR

>SSTP\_0000405700.1\_E\_peptide1.7

CPPGPPGLPGRPGENGVPGMRGPPGEDSRT

>SSTP\_0000405700.1\_E\_peptide2.8

PGPQGLEGPAGEAGPAGSDGQPGVPGPPGKTGIPGAPGPQGDPGRPGEPGIPGKEGAPGSNGTRGRGKPGVRGPNGPPGQPGNNGADGNP

GTPGQPGREGPPGQAGNPGSPGSDGQPGRPGVPGQPGI

>SSTP\_0000482966.1\_unnamed\_peptide0.9

QANDDYWEKKDKENKTTKSPGP

>SSTP\_0000503100.1\_unnamedTop18\_peptide1.10

ETTEQPAEEELPQDSSNSSDDNSDNVEK

>SSTP\_0000503100.1\_unnamedTop18\_peptide2.11

EKSEEQSEEQSEEKEQSSSTTTTTTTASTTSKTTT

>SSTP\_0000503100.1\_unnamedTop18\_peptide3.12

ELPTEEDDNDSAED

>SSTP\_0000503100.1\_unnamedTop18\_peptide4.13

TEPPTEDELPQDSSNSSDDNSDNVEK

>SSTP\_0000503100.1\_unnamedTop18\_peptide5.14

EKSEEQSEEEPEEKEQSSSTTTTTTTTTSSTTSTTTTTTASTT

>SSTP\_0000503100.1\_unnamedTop18\_peptide6.15

ELPQKSSNSPDNNSDDVEINEEPTTPSERLPEKSEEEPEKEPEEEPEKEAQSSSTTTTTTTTTSSTTSTTTTTTATTTK

>SSTP\_0000503100.1\_unnamedTop18\_peptide7.16

TTTGKPKSESKKNK

>SSTP\_0000503100.1\_unnamedTop18\_peptide8.17

SNSPDNNSNNVETNEESATPSEPLPEEPAVESKEESVEEPVEEAKSSSTTT

>SSTP\_0000504000.1\_E\_peptide0.18

LPSKPTASPSKPSTSPPSTSPPSTTKKPGNPGNGGKPSNGGKPSKPGKPGKPSKPGNSGSPGKPGKPANPGSSRKPRKPKKPASPGKAGKSRRS

>SSTP\_0000504200.1\_E\_peptide0.19

VKPGNPGGPGKPGNSNGSNNPGNSGGTKKPPQTTKPSKPKPSKPSKPSRP

>SSTP\_0000506600.1\_A\_peptide1.20

KKNEEEVPKDPPGSEEDKN

>SSTP\_0000506600.1\_A\_peptide2.21

EEKEKVTPKNPDKAEEND

>SSTP\_0000506700.1\_A\_peptide0.22

KKEEKDSKEKDSKEKNSKEKDKSNED

>SSTP\_0000506800.1\_A\_peptide0.23

KKNEKEGLEDPADSEEDKKAKKD

>SSTP\_0000506900.3\_A\_peptide1.24

PQGPPPLPP

>SSTP\_0000506900.3\_A\_peptide2.25

RGPPPPRLPPPPGLPPPPRGGG

>SSTP\_0000506900.3\_A\_peptide3.26

KKNEKDPSDGKGSNEDKGSEEN

>SSTP\_0000507300.1\_rhodphos\_peptide1.27

KASNSSKSDGNSKDEKKNE

>SSTP\_0000507300.1\_rhodphos\_peptide2.28

SFENSPNSPNTPTSPNSSNSSNSPEPSLE

>SSTP\_0000509500.1\_A\_peptide0.29

KEKEKVPPENPDDAKEN

>SSTP\_0000538100.1\_E\_pepitde1.30

RSPKKDKKSKSTKKKEKNEQVEEPAGNGDQ

>SSTP\_0000538100.1\_E\_pepitde2.31

GPNGGGFGGPNGGGFY

>SSTP\_0000538500.1\_astacin\_peptide0.32

NDDTSSQKNNNNTPDKPL

>SSTP\_0000623900.1\_unnamed\_peptide0.33

KSNNNKNNENNSNKPS

>SSTP\_0000644100.1\_unnamed\_peptide2.34

PNKGYGNQQNNPKVEKPYYN

>SSTP\_0000644100.1\_unnamed\_peptide1.35

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RPTKPTKPTNPNTEKPTKPTKPTKPSTEKPTKPTKPNTEKPTKPSTEKLTKPTRPTKPTR

PTKPSKPSTEKQTKPSTKKPTKPTKPTKPTKPNTEKPTKPTKPTKPSTEKPTKPSTEKPT

KPTRPTKPTKPSTEKSTKPSTEKPTKPNTEKPTKPTKPSTEKLTKPTKPTKPSTEKPIKP

STEKPTRPTRPTKPSTEKPTKPSTEKPTKPTRPTKPTKSTKPSTEKPTKPSTERPTKPTR

PTKPTKPTKPSTEKPTKPSTEKSTKPSTEKPTKPTRPTKPMKPTKPSTEKPTKLSTEKPT

KPTKPTSEKPTKPSTEKPTKPNTEKSTKRSTEKPTKPTRPTKPTKPNTEKSTKPSTEKPT

KPTKPVKPSTGKPIKPSTEKSTKLNTKKSTKSSTEKPTKLTTEKPTKPSTEKPTKPSKLT

TEKPIKPSKPNTEKPIKPTTEKPAKQRTDKPIKPNKEKS

>SSTP\_0000666500.1\_A\_peptide0.36

EEEPEAERGRDRDGVPEVRGPDRGEV

>SSTP\_0000671200.1\_A\_peptide1.37

VRTTEKPKNSDEQT

>SSTP\_0000671200.1\_A\_peptide2.38

QETNKANQPDATQKAEPAAV

>SSTP\_0000671400.1\_A\_peptide0.39

RGPPRRPPPPRSDEVE

>SSTP\_0000674400.1\_A\_peptide1.40

EKNSQTTTESTTSTS

>SSTP\_0000674400.1\_A\_peptide2.41

EEERERNPDDPRNERQPPDEARN

>SSTP\_0000676900.1\_unnamed\_peptide0.42

SSSESGSSEVKPPVPVKQEKS

>SSTP\_0000677000.1\_unnamed\_peptide0.43

GKSVETNEQPESSPKPSL

>SSTP\_0000677200.1\_A\_peptide1.44

PPLPPPEDDDG

>SSTP\_0000677200.1\_A\_peptide2.45

ERPPRPPPLSEEDDKK

>SSTP\_0000677300.1\_A\_peptide1.46

GPPPLPPPSAEYEYGEDDEDTAE

>SSTP\_0000677300.1\_A\_peptide2.47

GPSRRRPQSPRGQQRPQRR

>SSTP\_0000677300.1\_A\_peptide3.48

RGPPPRPPLPEPEEDEYEYEDEDDV

>SSTP\_0000677500.1\_A\_peptide0.49

NTSPKEGGADPQQAEK

>SSTP\_0000677600.1\_A\_peptide0.50

PSTVKTAQPEGADPLQDPEA

>SSTP\_0000677800.1\_A\_peptide0.51

PSTTNTSPTQASTNPVQAQKPGKGGPTQTGSGKTGR

>SSTP\_0000677900.2\_A\_peptide1.52

AIPSTTNTSPTQASTNPAQAQKPGKGGPGNTGPGNTGPGNTGPGNTGP

>SSTP\_0000677900.2\_A\_peptide2.53

TIPSTTNTSPTQASTTPLQAQNAAKGGPGKTGPGKTGPENFD

>SSTP\_0000677900.2\_A\_peptide3.54

GVPGAGGPPGPGGVPGDAGVPGVGGPPGVNGVPGAADLPGPVGVPGPDDGKK

>SSTP\_0000700800.1\_TTL\_peptide0.55

SKKSKKSENSEKSENSEKSE

>SSTP\_0000700900.1\_TTL\_peptide0.56

SKKSKKSKKSKKSENSEKSE

>SSTP\_0000701400.1\_TTL\_peptide0.57

SKKSKKSENSEKSENSEKSE

>SSTP\_0000701700.1\_B\_peptide1.58

TRRRGPPQRSPPPRSPSPRSPPSRRGPLQRPQR

>SSTP\_0000701700.1\_B\_peptide2.59

YDDYEPYDDDNDDAY

>SSTP\_0000738500.1\_unnamed\_peptide0.60

KAKKPSKKSGKPTTKPTTKTTTKTPTKKPNKKRPTTTKRPTTTKGPTTTKGS

>SSTP\_0000795700.1\_E\_peptide0.61

QACPPGPPGPDGIPGSDGEPGLPGNDGTPGEAGMSSSSYKTGNECPPCPAGPPGPPGPDGPPGPNGPDGQPGNDGG

PGNPGQNGPPGPPGPPGPPGNPGQDGQPGAPGNPGTKTIPVPGPPGPPGPPGGDGQPGGD

GQPGGPGESGPPGPAGPPGGPGNPGTDGAPGQPGMAGQPGGDAEYCPCPPRTGAVSAAGG

GGYGGSAGGAAGGAAGGMGAAGAGGSNGGGYGGSAGGMGSAAAGGSNGGGYGGSAGGMGSAAAGGSSGGYASKSAAPAAASAGGYEGSAGGGMASAAAGGSGGGYASKSAAPATASAGGYGGSAGGGMASAASAGGSGGGYASKSAAPAAASAGGYGGSAGGGMASAAAGGSGGGYASKSAAPAAAAAGGYGGSAGGGMASAAAGGSGGGYASKSAAPVAAAGGSSGGYSGK

>SSTP\_0000808800.1\_unnamed\_peptide0.62

QKNQKDQKNQKDQKNQKDQKNQKDQ

>SSTP\_0000811600.1\_unnamed\_peptide0.63

IRKPGPKKPIKKPIRKPGPKKPIKKPIKKPGPKRPIKIKPGPKPIKPTVKPAPKTTTAAPEEPEEPEEPEDPEEPEEPEEPEDPEEPEDPEEPEESEEPEEPEESEELEEPEESEELEEPEESEEPEEPRDNDDGVDEEDERE

>SSTP\_0000828100.1\_unnamed\_peptide1.64

NKTEENKEKGMEEKEKEKEKKKEKKKEKKKEKEKKKEKEKKKEKDSKKKSTKKEKKKEKKE

ENEENTTPT

>SSTP\_0000828100.1\_unnamed\_peptide2.65

PKSNPGTNIHPIPQPGPNQNSSLPPQPIPDTNSTTSTNSTSQNNNIPNGNSNG

>SSTP\_0000828100.1\_unnamed\_peptide3.66

GEGNDHSQDYEGDYKEKEEEESDEE

>SSTP\_0000828400.1\_B\_peptide0.67

TPQGNNANSGANDDDYYD

>SSTP\_0000844200.1\_unnamed\_peptide1.68

DEDSSEGDLTSDENISNSDSSLDDGEVSDSSEDL

>SSTP\_0000844200.1\_unnamed\_peptide2.69

SNEDSSEEDSIS

>SSTP\_0000844200.1\_unnamed\_peptide3.70

DEDSSEGDSTSDEDISN

>SSTP\_0000844200.1\_unnamed\_peptide4.71

QEESSEGDSTSDEDISTSDSSLDD

>SSTP\_0000847900.1\_unnamed\_peptide0.72

GRPTQKPNNKKTTIKPKPKPKPTPTKPKPKPTPTKPKPKPTTTKPKPKPTTTRPKPTVTKPKPTQPPTTTATKPKPPTTTTT

>SSTP\_0000848000.1\_unnamed\_peptide0.73

NNNSKNKKPIKGPTKKPNNKKTTIKPKPKPTTTKPKPKPTTTKSKPTVTKPKPTQPPTTTTE

>SSTP\_0000852400.1\_unnamed\_peptide0.74

GKPTQKPKPKPTQKPKPKPSQKPKPKPNATKPKPKPTTTKPKPKPTTTKPKPKPITTKPEPKPTTTNPKPTTTTT

>SSTP\_0000852500.1\_unnamed\_peptide0.75

KKPNNKPKPPGLRPKPPSPRPKPPGPRPKPPSPRPKPPSPRPKPPSPRPKPPSPKPKPPGPKPIPPAPKPKPTQPPKTTTR

>SSTP\_0000859300.1\_unnamed\_peptide0.76

DSEGDESEEKPFAGSDGYDVEDGQDEHDGSDSVEHDGSDSVEHDSDSHDEDSHDSDGLDEDGHDGDGSDSDEHDGDGQDGDSLVEHDGPDSVEHDGSDSVEHDGSDSVEHDGDSLDEDGLDGDSHDGDDYDGDSDGDSDDDSE

>SSTP\_0000863600.1\_E\_peptide0.77

GTSPPPPMRSGGGRQ

>SSTP\_0000863700.1\_B\_peptide0.78

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>SSTP\_0000940000.2\_E\_peptide1.79

DKKSKKEKKKEKKEKKGKGKGKEKDSKSTTKDPLE

>SSTP\_0000940000.2\_E\_peptide2.80

ETEKNSKKSKGTKGKKNKSDSKNTPSKDSF

>SSTP\_0000940000.2\_E\_peptide3.81

EENESKSEKEKAKKKEKKSKKSDSKS

>SSTP\_0000940000.2\_E\_peptide4.82

LSTPKQNPKENKQKSKNKKSNNE

>SSTP\_0000940000.2\_E\_peptide5.83

STFSEQNPEENKKKNNDKKNKKDNEKKSKST

>SSTP\_0000940000.2\_E\_peptide6.84

GNDNKKKGKDKKKKGKNSKSEDVTTT

>SSTP\_0000940000.2\_E\_peptide7.85

QNPEKNKKKDKEKKNKKESGK

>SSTP\_0000940000.2\_E\_peptide8.86

PFPEENDSKKKGKDKKKKGKNSKS

>SSTP\_0000940000.2\_E\_peptide9.87

DTSNEDDQKENDKKKKKGKKEKKEKEKEGEKEKEKKEKKGKKGKKGKKDKSATTEDPFA

>SSTP\_0000940000.2\_E\_peptide10.88

GAGGAGGMAGNGDSDNEIPGGPGGPNRRDGNGDFDDSDEDDNDNRITNPNGNNSTG

>SSTP\_0000940000.2\_E\_peptide11.89

TNSGSTNNTQSQNPPTRR

>SSTP\_0000946400.1\_B\_peptide0.90

ERQTTTTPTTTTPTTTTATTTTPTTTPTTTPTTKAPSGSGR

>SSTP\_0000946500.1\_B\_peptide0.91

ERQTTTATQTTTTPTTTTATTTTPTTTPTTKAPAVPGVPGGPGVPGGPGVPGGPGVPGGPGVPGGPGVPGGPGVPGGPGP

>SSTP\_0000946600.1\_B\_peptide0.92

ERQTTTTSQTTTTTTASTTSITSQPTGPGQPAASGQPAASGQPAASGQPAASGQPAAGGKPAASGKPAAGGKPGSG

>SSTP\_0000946700.1\_B\_peptide0.93

TTTTTQTTTTTTASTATTPTTTATTASTAAPTTPKKTGKK

>SSTP\_0001008500.1\_SCPTAPS\_peptide0.94

RPGPTAKPSIRTPSPPKITGRPAPRPPSNRI

>SSTP\_0001008600.1\_SCPTAPS\_peptide0.95

TTPRPNKPVRPVSKTTRRPQPPKPNPRPSSRIPPKPVKPATQSTTKPVVTQKPPNN

>SSTP\_0001008700.1\_SCPTAPS\_peptide0.96

RPSRPRPSSRIPPKTVKPGTKST

>SSTP\_0001008900.1\_SCPTAPS\_peptide1.97

NAPGKKPLNSKTTPRSQKPVRPASKS

>SSTP\_0001008900.1\_SCPTAPS\_peptide2.98

KTPKTTKRPVKPTRKTPKTTKRPVK

>SSTP\_0001019700.1\_unnamed\_peptide0.99

DCEDDDDDGYDGDDGYDSYDGGAGG

>SSTP\_0001040300.1\_B\_peptide0.100

QRQTTTTTTTTTTTTSTTTSTTAKPAGPGQPSGPGQPAGPGQPSGPGQPSGPGQPSGPGQPSGPGQPSGPGQPSGPGQPSGPGNPGSGRK

>SSTP\_0001040400.1\_B\_peptide1.101

TPTTTSATTKAPSGSGQPGPPGPPGPPGPPGPPGVAGPPGPP

>SSTP\_0001040400.1\_B\_peptide2.102

RQTTTTTTTTATTPTTTTPTTTTPTTTPTTTKAPGIP

>SSTP\_0001040500.1\_B\_peptide0.103

ERQTTTTTQTTTTPTTTTPTTTTTATTSTAKPTGGK

>SSTP\_0001040600.1\_B\_peptide0.104

ERQTTTTTTPTTTTPTTTTPTTTTPTTTPGGK

>SSTP\_0001040700.1\_B\_peptide0.105

ERQTTTTTTTTTTTATTPTTTTPTTTTPTTTTTATTKATPANPGRK

>SSTP\_0001103800.1\_unnamed\_peptide1.106

KKPVKPAPKPIKPTPKPIKTTPKSIKTTPKPIKTTPKPIKTTTKTPVT

>SSTP\_0001103800.1\_unnamed\_peptide2.107

EYDDEYSDEHDGEYSDEHDGEYDGEYDGEYDGEYDGEYDGEYDGEYDGEYDYEYSNEEDNSNEDDSDENDSN

>SSTP\_0001127300.1\_unnamed\_peptide0.108

TSTQTPTTTTTTATTTTSTESPTTTTTTATTTTSTESPTTTTTTATTTTSTQTPTTTTTTVTTTTSTESPTTT

>SSTP\_0001127400.1\_unnamed\_peptide0.109

TSTESPTTTTTTVTTTTSTESPTTTTTTATTTTSTESPT

>SSTP\_0001129300.1\_unnamed\_peptide0.110

ATTSTSTESPTTTASTTTSTKSPTTTTTTATTSTSTESPTTTTTT

>SSTP\_0001131100.1\_unnamed\_peptide1.111

SSEHSVEEGNSEQNSEENQLESASGSSEDDKDNSSNTNDSNDNEKTSQNSGEDNDNE

>SSTP\_0001131100.1\_unnamed\_peptide2.112

KKEKSSSGSSSSEEEPKKKSKKSKN

>SSTP\_0001131100.1\_unnamed\_peptide3.113

KDKKTDSKKKSKSEDKSESKKESKKKEESDSKKKSKKDKESDSGKE

>SSTP\_0001131200.1\_unnamed\_peptide0.114

KKHESSSSSEEDKKKS

>SSTP\_0001147700.1\_unnamed\_peptide0.115

DDSSNQSVQSSEESNGNQE

>SSTP\_0001211500.1\_L\_Top18\_peptide0.116

TNGYGSTNGGYGSGSTNGGYGQSQQTP

>SSTP\_0001213100.1\_unnamed\_Top18\_peptide0.117

LPSPTNTPSSTTTSTTSTTTSTTTTTTSTTS

>SSTP\_0001222000.1\_TTL\_peptide0.118

PSSKPKPTPKPKP

>SSTP\_0001226800.1\_unnamed\_peptide1.119

KRPGQKGPIRKPGPKRPIRKPGPKRPIRKPGPKRPIKKPGPRRPGPKKPIRKPGPKKP

>SSTP\_0001226800.1\_unnamed\_peptide2.120

PKPKTTTQAPEEPEGPEEPEGPEEPEGPEGPEEPEGPEEPEGPEEPEGPAGPEEPEGPAGPEEPEGPEEPEGPAGPEEPRDDDDGVDEEDERD

>SSTP\_0000306900.2\_E\_peptide1.121

NRQGGPNAGQPGNKDMDNRVPGATEGKGNMGPNGPQNNMNGQGGNGANPNS

>SSTP\_0000306900.2\_E\_peptide2.122

KIPEGPPNGGGGSMNPQGNGNMGPGANQKPG

>SSTP\_0000306900.2\_E\_peptide3.123

KGIPSGQPGPGAPPNPGQGPGNR

>SSTP\_0000306900.2\_E\_peptide4.124

GQMPNGPNAGPPNGQPN

>SSTP\_0000877500.1\_E\_peptide0.125

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>BCEpep128

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YDEKDKKERERRKST

>BCEpep137

KEIKEKIEENKDRH

>BCEpep138

KEIKEKIEENKDRH

>BCEpep139

WEKKDKENKTTK

>BCEpep140

WEKKDKENKTT

>BCEpep141

REAEAKRRRER

>BCEpep142

RLENNKKTEKIRRELREKKKHRELEKRK

>BCEpep143

IKKDKKSKKDKQ

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KNKKSKNHDDFKEKTS

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LPEKSEEEPEKEPEEEPEKEAQ

>BCEpep149

PKSESKKNK

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LKKRQRGRRRERGRR

>BCEpep151

TRSEKRKKDVYTRGKKEKRDITKKKS

>BCEpep152

VSKSHKKNNKKDKRP

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>BCEpep154

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>BCEpep155

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>BCEpep157

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KEEKKKEEKDSKEKDSKEKNSKEKDKS

>BCEpep162

EEERKKNEK

>BCEpep163

DSEEDKKAKK

>BCEpep164

AHKRERERR

>BCEpep165

RARERERERR

>BCEpep166

EEERKKNEKDPSDGKGSNEDKGS

>BCEpep167

SNSSKSDGNSKDEKKN

>BCEpep168

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REDERRERER

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RARRESERREQER

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REEEERERNPDDPRN

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>BCEpep185

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>BCEpep186

EKRRTRGRKQKKSKKQKR

>BCEpep187

EQKNQKDQKNQKDQKNQKDQKNQKD

>BCEpep188

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>BCEpep189

EESEEPEEPRDNDDGVDEED

>BCEpep190

PKEEKGKKEEKNEK

>BCEpep191

KTEENKEKGMEEKEKEKEKKKEKKKEKKKEKEKKKEKEKKKEKDSKKKSTKKEKKKEKKEENE

>BCEpep192

YKEKEEEESDEE

>BCEpep193

SDERQKRQATKQKKQKKFRKGRG

>BCEpep194

QRKRGKQQREKQRQQHK

>BCEpep195

RQKKIREERER

>BCEpep196

VKKRKNKKNLNKSTNKRKKVK

>BCEpep197

RKSKARKEPKSKK

>BCEpep198

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>BCEpep200

KKDEKNKKKEKKEKRKKSS

>BCEpep201

ETEKNSKKSKGTKGKKNKSDS

>BCEpep202

NESKSEKEKAKKKEKKSKKSD

>BCEpep203

NPKENKQKSKNKKSNNEKDKKLE

>BCEpep204

KEKSNEKKNKKENEKKS

>BCEpep205

DSDKKKNKKKK

>BCEpep206

PEENKKKNNDKKNKKDNEKKS

>BCEpep207

NDNKKKGKDKKKKGKNSK

>BCEpep208

NPEKNKKKDKEKKNKKESGK

>BCEpep209

NDSKKKGKDKKKKGKNSK

>BCEpep210

NEDDQKENDKKKKKGKKEKKEKEKEGEKEKEKKEKKGKKGKKGKK

>BCEpep211

ESRDSKKKKDSVKGKEN

>BCEpep212

RKSRRERRRREQEQQKKR

>BCEpep213

RRSRRERRRREREQQK

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>SSTP\_0001025300.1\_BP\_pep3.527

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bcepred of Ss PFES orthologs (min size 9aa)

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>SSTP\_0000649300.1\_bce\_pep3.27

SEQESEEKEEED

>SSTP\_0000649300.1\_bce\_pep4.28

EEDSKDNEEEND

>SSTP\_0000649300.1\_bce\_pep5.29

SNHKEEESK

>SSTP\_0000649300.1\_bce\_pep6.30

SEKESEEKED

>SSTP\_0000649300.1\_bce\_pep7.31

NEEEKSDESE

>SSTP\_0000718700.1\_bce\_pep1.32

NNEKESKKE

>SSTP\_0000718700.1\_bce\_pep2.33

DNEKDTESDESKDEDS

>SSTP\_0000750000.2\_bce\_pep0.34

KSKKDDKKEKKVDK

>SSTP\_0000767500.1\_bce\_pep0.35

DESDDSKKENKNEKEK

>SSTP\_0000818700.1\_bce\_pep0.36

GDKKGRRKAR

>SSTP\_0000934100.1\_bce\_pep0.37

AREKAEREKAE

>SSTP\_0000938600.1\_bce\_pep0.38

QREKEEKGEKEEKGEKEEKGEKEEKEEKEVK

>SSTP\_0000940500.1\_bce\_pep0.39

SEEKKEEPKK

>SSTP\_0000942500.1\_bce\_pep1.40

LDEKKSSESSEEKE

>SSTP\_0000942500.1\_bce\_pep2.41

HEGEEKEKEEGE

>SSTP\_0000967200.1\_bce\_pep1.42

NKSEENNEEKEKEEKGE

>SSTP\_0000967200.1\_bce\_pep2.43

STEEEKESG

>SSTP\_0000967200.1\_bce\_pep3.44

SNKKSDEESKNTEEEEEDDDKTKSTEEDDDK

>SSTP\_0000967200.1\_bce\_pep4.45

YDDETKEKDDSNREEEES

>SSTP\_0000989700.1\_bce\_pep0.46

SECDDERNDNEEDHK

>SSTP\_0001019300.1\_bce\_pep0.47

DNDSDNEEDEED

>SSTP\_0001036300.1\_bce\_pep1.48

NKSKKNNKRK

>SSTP\_0001036300.1\_bce\_pep2.49

QKEKERERKKRKKEKRRKDKQ

>SSTP\_0001041900.3\_bce\_pep1.50

KKKKQEEEDKK

>SSTP\_0001041900.3\_bce\_pep2.51

KREQEERDRLRREQEERDRLR

>SSTP\_0001088500.1\_bce\_pep1.52

KEKKRNEEE

>SSTP\_0001088500.1\_bce\_pep2.53

KTKTDKDKE

>SSTP\_0001091500.1\_bce\_pep0.54

DSKDKDNSSEEKRGR

>SSTP\_0001106300.1\_bce\_pep0.55

GEEKNDDGEKNEN

>SSTP\_0001172900.1\_bce\_pep1.56

SDDEDDTKK

>SSTP\_0001172900.1\_bce\_pep2.57

KEDEEKKEKK

>SSTP\_0001220700.1\_bce\_pep0.58

GEEDNDNDEDE

>SSTP\_0001229200.1\_bce\_pep0.59

NNSDEEDDN

>SSTP\_0001245200.2\_bce\_pep0.60

DDKKSKDEKQ

>SSTP\_0001257900.1\_bce\_pep0.61

GDKKGRRKAR

>SSTP\_0001265000.1\_bce\_pep0.62

GDKKGRRKAR