A Biological Process

metabolic process
response to stimulus
cell communication
transport
cell differentiation
development
defense response
cell death
cell proliferation
cell motility
reproduction
coagulation
cell growth
cell division

0 20 40 60 80

B Cellular Component

cytoplasm
membrane
extracellular
nucleus
cytosol
cytoskeleton
organelle lumen
Golgi
mitochondrion
vacuole
ER
cell surface
endosome
proteasome

0 10 20 30 40 50 60 70

C Molecular Function

catalytic activity
protein binding
metal ion binding
nucleotide binding
signal transducer activity
transporter activity
DNA binding
enzyme regulator activity
receptor activity
structural molecule activity
transcription regulator activity
RNA binding
antioxidant activity
motor activity

0 10 20 30 40 50 60 70
% proteins in category

D Predicted TMDs

>5 TMD
1-4 TMD
0 TMD

E Predicted Signal peptide

SP
no SP

SI Figure 1

Functional enrichment of proteins detected in EPS.
A-C) Shown are selected Gene Ontology (GO-Slim) categories of the EPS proteome.
D) Distribution of predicted transmembrane domain containing proteins (TMAP algorithm).
E) Distribution of predicted signal peptides (PrediSi algorithm).