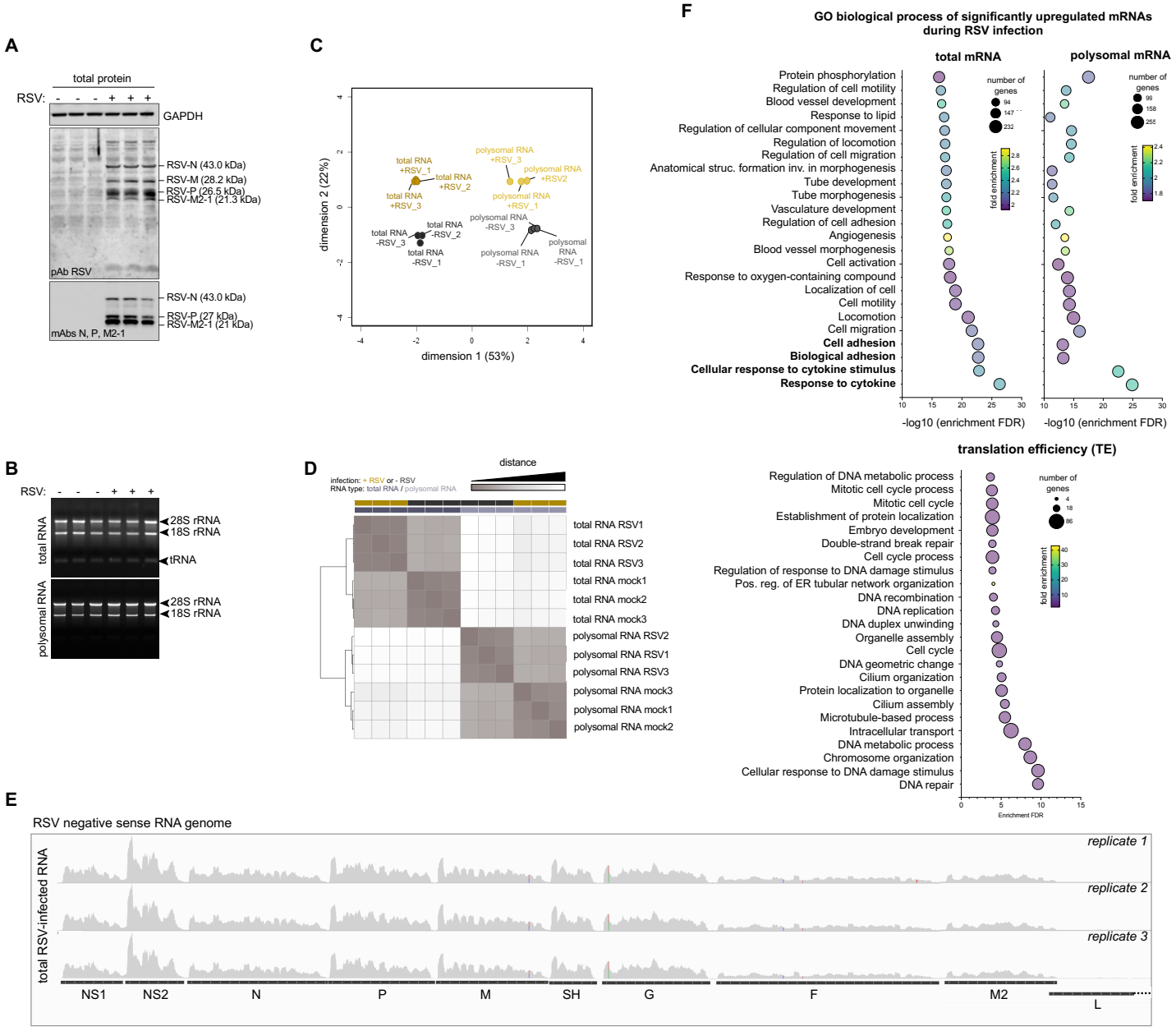
Figure S2


A
total protein
RSV: - - - + + +
GAPDH
RSV-N (43.0 kDa)
RSV-M (28.2 kDa)
RSV-P (26.5 kDa)
RSV-M2-1 (21.3 kDa)
pAb RSV
RSV-N (43.0 kDa)
RSV-P (27 kDa)
RSV-M2-1 (21 kDa)
mAbs N, P, M2-1
B
RSV: - - - + + +
total RNA
28S rRNA
18S rRNA
tRNA
polysomal RNA
28S rRNA
18S rRNA
C
dimension 2 (22%)
dimension 1 (53%)
total RNA +RSV_1
total RNA +RSV_2
total RNA +RSV_3
polysomal RNA +RSV_3
polysomal RNA +RSV2
polysomal RNA +RSV_1
polysomal RNA -RSV_3
total RNA -RSV_2
total RNA -RSV_3
total RNA -RSV_1
polysomal RNA -RSV_1
polysomal RNA -RSV_1
D
distance
infection: + RSV or - RSV
RNA type: total RNA / polysomal RNA
total RNA RSV1
total RNA RSV2
total RNA RSV3
total RNA mock1
total RNA mock2
total RNA mock3
polysomal RNA RSV2
polysomal RNA RSV1
polysomal RNA RSV3
polysomal RNA mock3
polysomal RNA mock1
polysomal RNA mock2
E
RSV negative sense RNA genome
total RSV-infected RNA
replicate 1
replicate 2
replicate 3
NS1
NS2
N
P
M
SH
G
F
M2
L
F
GO biological process of significantly upregulated mRNAs during RSV infection
total mRNA
polysomal mRNA
Protein phosphorylation
Regulation of cell motility
Blood vessel development
Response to lipid
Regulation of cellular component movement
Regulation of locomotion
Regulation of cell migration
Anatomical struc. formation inv. in morphogenesis
Tube development
Tube morphogenesis
Vasculature development
Regulation of cell adhesion
Angiogenesis
Blood vessel morphogenesis
Cell activation
Response to oxygen-containing compound
Localization of cell
Cell motility
Locomotion
Cell migration
Cell adhesion
Biological adhesion
Cellular response to cytokine stimulus
Response to cytokine
number of genes
fold enrichment
-log10 (enrichment FDR)
translation efficiency (TE)
Regulation of DNA metabolic process
Mitotic cell cycle process
Mitotic cell cycle
Establishment of protein localization
Embryo development
Double-strand break repair
Cell cycle process
Regulation of response to DNA damage stimulus
Pos. reg. of ER tubular network organization
DNA recombination
DNA replication
DNA duplex unwinding
Organelle assembly
Cell cycle
DNA geometric change
Cilium organization
Protein localization to organelle
Cilium assembly
Microtubule-based process
Intracellular transport
DNA metabolic process
Chromosome organization
Cellular response to DNA damage stimulus
DNA repair
Enrichment FDR