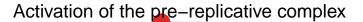
G alpha (s) signalling events



CDC6 association with the ORC:origin complex

Telomere C-strand (Lagging Strand) Synthesis

Resolution of Abasic Sites (AP sites)

Activation of ATR in response to replication stress

E2F mediated regulation of DNA replication

DNA strand elongation

Telomere Maintenance

Unwinding of DNA

Generation of second messenger molecules

Extension of Telomeres

Immunoregulatory interactions between a Lymphoid and a non-Lymphoid ce

PD-1 signaling

G1/S-Specific Transcription

Phosphorylation of CD3 and TCR zeta chains

RNA Polymerase III Transcription Initiation

Transport of Ribonucleoproteins into the Host Nucleus Rev-mediated nuclear export of HIV RNA

●Translocation of ZAP-70 to Immunological synapse

Interactions of Vpr with host cellular proteins

G0 and Early G1

NEP/NS2 Interacts with the Cellular Export Machinery

Transport of the SLBP independent Mature mRNA

Interactions of Rev with host cellular proteins

SUMOylation of ubiquitinylation proteins

Nuclear import of Rev protein

Transport of the SLBP Dependant Mature mRNA

SUMOylation of SUMOylation proteins

Vpr-mediated nuclear import of PICs

• 10 • 20 • 30 • 40 • 50 **P adjusted** 2×10^{-4} 3×10^{-4}

 4×10^{-4} 5×10^{-4} 6×10^{-4}

Gene count