Early 0-53 hpi

Exposure to influenza virus

Early responses

Uncontrolled virus infection
- Oxidative stress
- Strong activation of PRR
- NLRP3 inflammasome activation
- IFNβ/α induction

Symptomatic (Sx)
- Strong transcriptional immune signature
- Proinflammatory cytokines
- Lung pathology

NK and CTL responses
- Signaling to adaptive immune response mechanisms

Limited or no virus infection
- Downregulation of NLRP3
- SOD1, STK25 antioxidants
- Weak induction of PRR

Asymptomatic (Asx)
- Adaptive immune mechanisms

Host immediate - early control?

Late 60-108 hpi