

TNF and IL-1 β
Mildly increased



Clock genes
mildly repressed



Circadian rhythm
depression
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SICKNESS
BEHAVIOUR

Mild-moderate
sickness behaviour
when these genes
somewhat down-
regulated



Anorexia
Fatigue
Sleepiness
Muscle weakness

TNF and IL-1 β
Severely increased



Clock genes
severely repressed



Extreme circadian
rhythm depression



SEVERE
SYSTEMIC
INFLAMMATORY
SYNDROME

Severe sickness
behaviour when same
genes markedly
down-regulated



Reversible encephalopathy
Gene silencing
Dyserythropoiesis
Seizures
Coagulopathy
Hypoalbuminaemia
Hypertriglyceridaemia