## Phospholipid metabolism

Golgi-to-ER retrograde transport

Intra-Golgi and retrograde Golgi-tey ER traffic PIPs at the plasma membrane

ER to Golgi Anterograde Transport

Intracellular signaling by second messengers Nuclear Receptor transcription pathway

Signaling by Receptor Tyrosine Kinases

**RHO GTPases Activate Formins** 

Mitotic Anaphase

Transport to the Golgi and subsequent modification

PI Metabolism

Death Receptor Signalling Rho GTPase cycle

G alpha (12/13) signalling events

NRAGE signals death through AMS liftication of signal from the kinetochores

Amplification of signal from unattached kinetochores via a MAD2 inhibitory signal

Mitotic Metaphase and Anaphase

Mitotic Spindle Checkpoint Resolution of Sister Chromatid Cohesion

Neurexins and neuroligins Separation of Sister Chromatids

MET promotes cell motility

Neuronal System

Cilium Assembly

Transmission across Chemical Synapses

Organelle biogenesis and maintenance basal body to the plasma membrane

Mitotic Prometaphase-

size 100

> 200 300

p.adjust

0.001 0.002





