Platelet Aggregation (Plug Formation) EPH-Ephrin signaling EPHA-mediated growth cone collapse CD209 (DC-SIGN) signaling Regulation of TP53 Activity through Phosphorylation EPH-ephrin mediated repulsion of cells Cellular Senescence activated TAK1 mediates p38 MAPK activation Mitochondrial biogenesis Nucleotide-binding domain, leucine rich repeat containing receptor (NLR) signaling pathways Regulation of TP53 Activity Transcriptional Regulation by TP53 Autophagy MAPK targets/ Nuclear events mediated by MAP kinases Toll Like Receptor 2 (TLR2) Cascade Toll Like Receptor TLR6:TLR2 Cascade MyD88:MAL(TIRAP) cascade initiated on plasma membrane Toll Like Receptor TLR1:TLR2 Cascade Toll–like Receptor Cascades Toll Like Receptor 9 (TLR9) Cascade MyD88 cascade initiated on plasma membrane Toll Like Receptor 10 (TLR10) Cascade Toll Like Receptor 5 (TLR5) Cascade MyD88 dependent cascade initiated on endosome Toll Like Receptor 7/8 (TLR7/8) Cascade TRAF6 mediated induction of NFkB and MAP kinases upon TLR7/8 or 9 activation Toll Like Receptor 3 (TLR3) Cascade MyD88-independent TLR4 cascade TRIF(TICAM1)—mediated TLR4 signaling Toll Like Receptor 4 (TLR4) Cascade Interleukin-17 signaling MAP kinase activation 0.0026 0.0025 0.0024 0.0023 0.0022 0.0028 0.0027

2.5

2

1.5

0.5