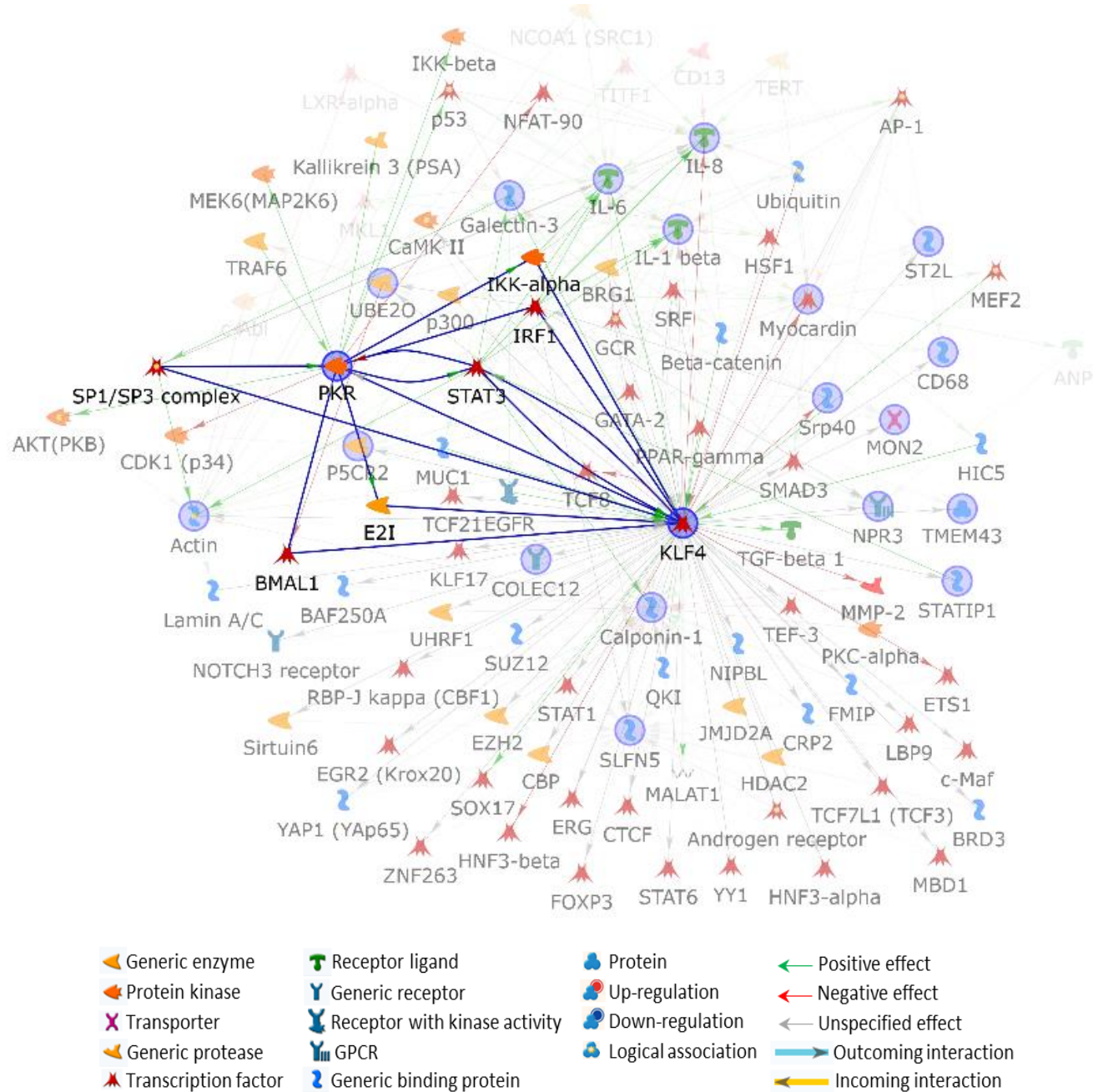


**Figure S1.** Protein/gene hybrid SPN in KLF4-centred trace-mode.



**Figure S2.** Protein/gene hybrid SPN in KLF4 and PKR centred trace-mode and mark-up view of shortest path (two allowed steps) interconnections (bold in blue) among KLF4 and PKR.