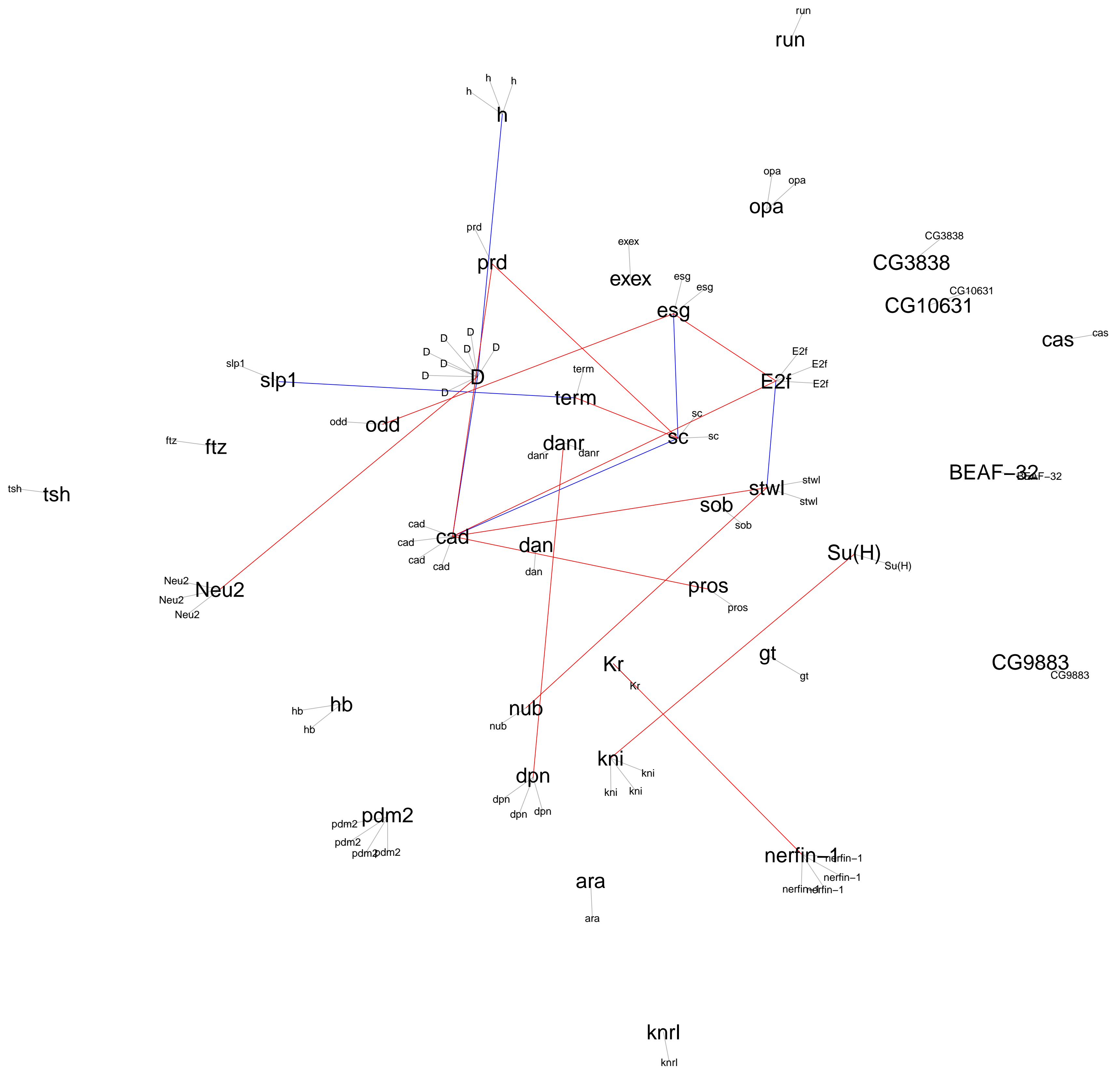
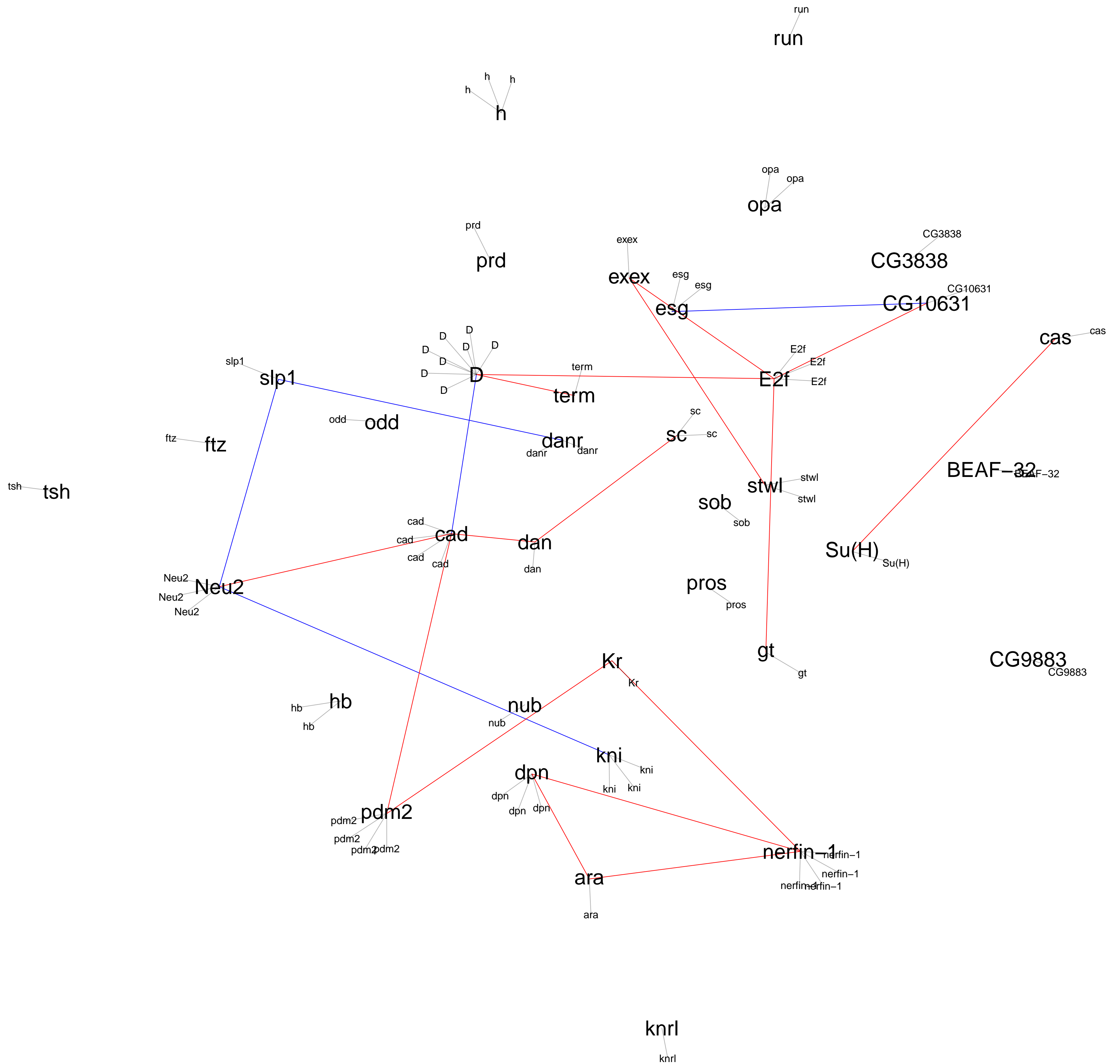


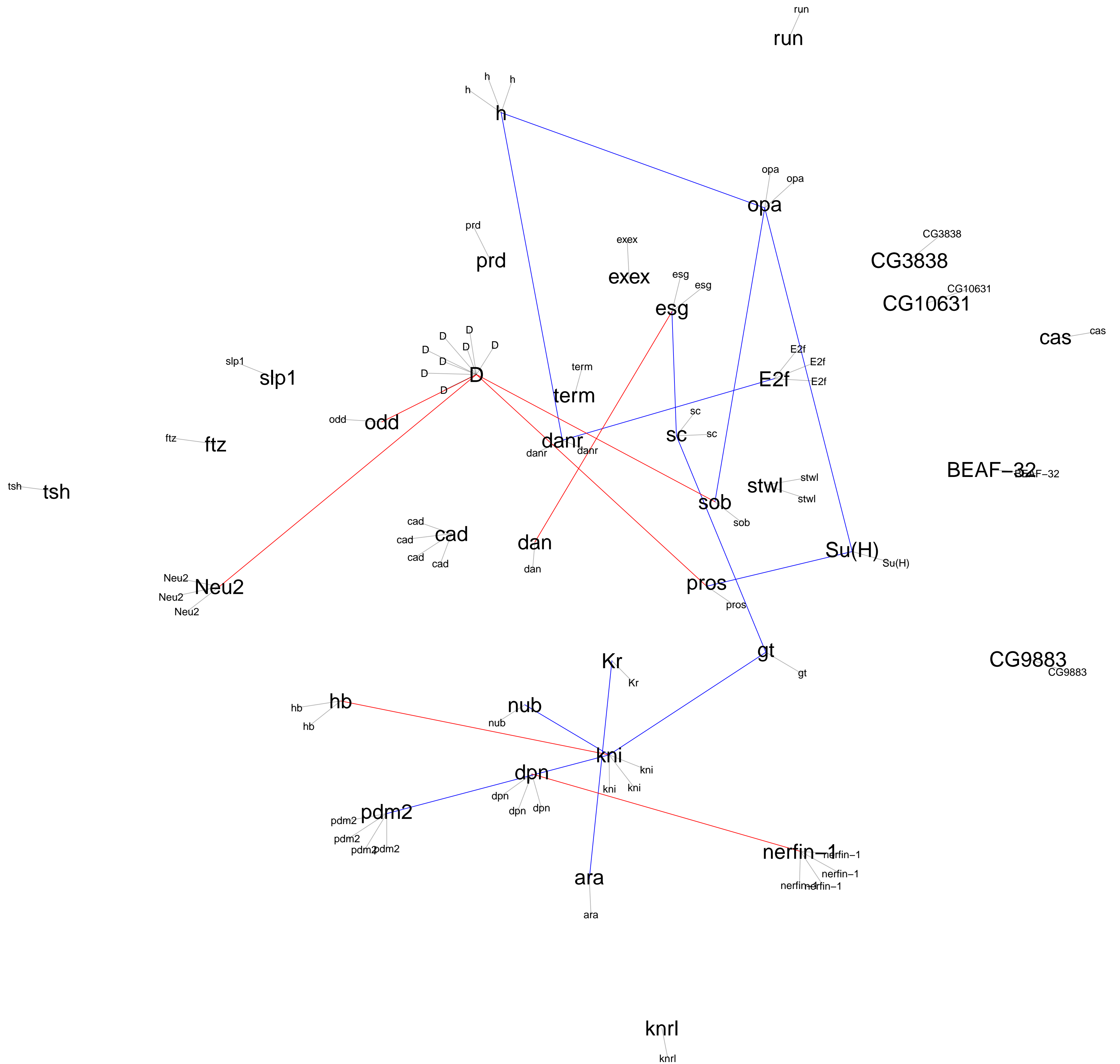
Lower [4.5%,5%] correlation = [-0.47,-0.46]; Upper [5%,4.5%] correlation = [0.63,0.64]



Lower [4%,4.5%] correlation = [-0.48,-0.47]; Upper [4.5%,4%] correlation = [0.64,0.65]



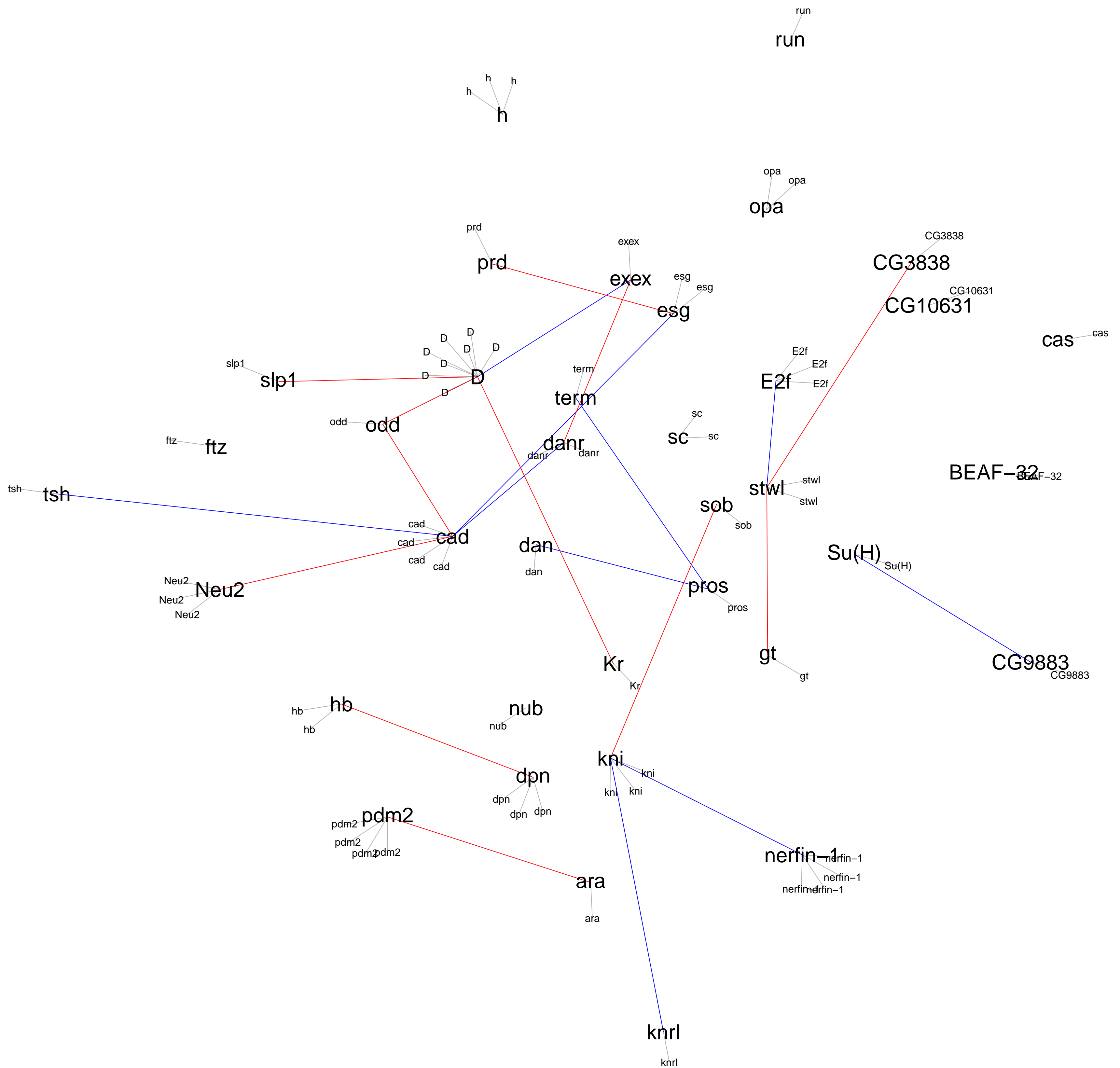
Lower [3.5%,4%] correlation = [-0.5,-0.48]; Upper [4%,3.5%] correlation = [0.65,0.67]



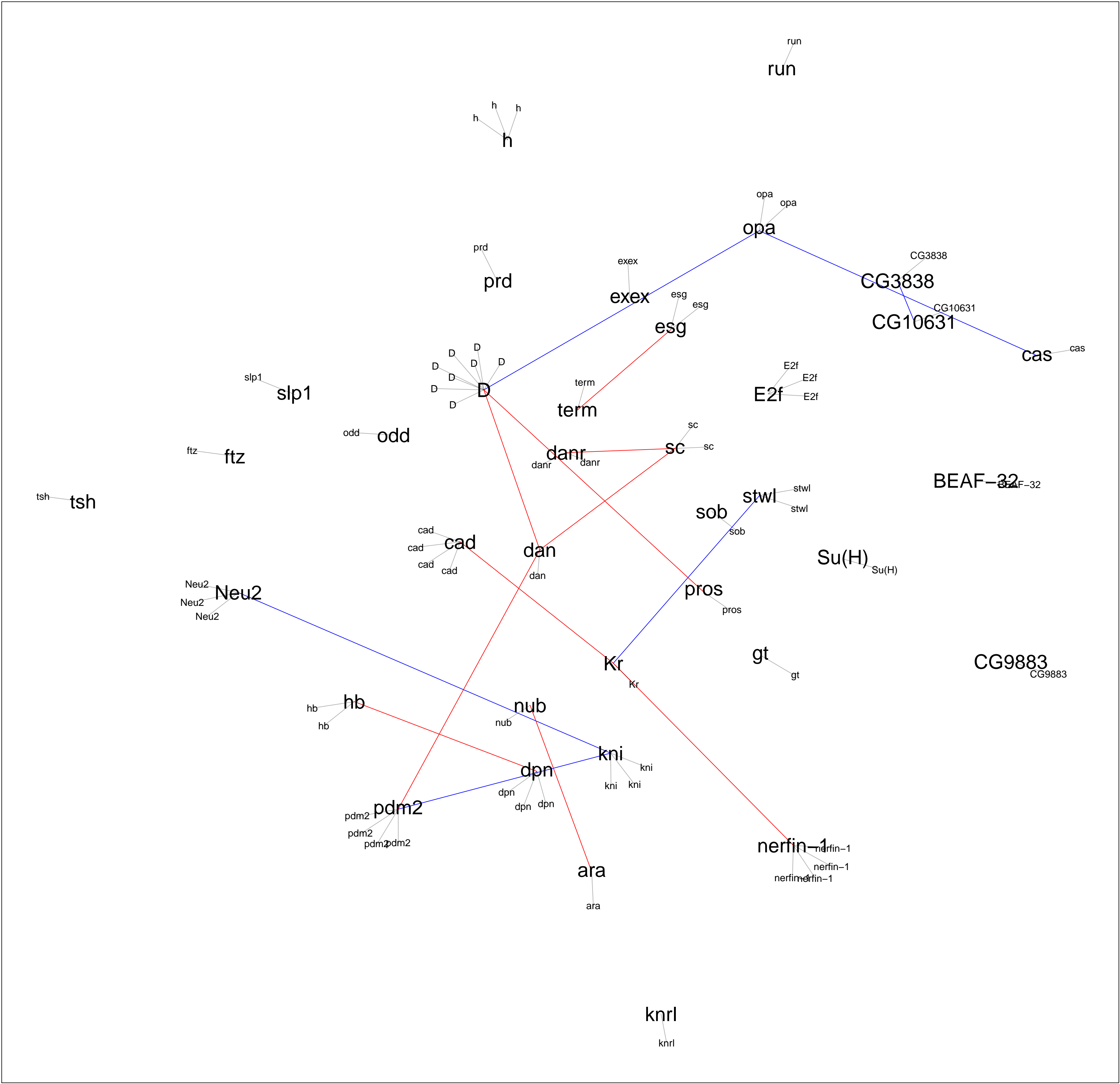
The diagram illustrates a complex gene regulatory network. Nodes represent genes, and edges represent regulatory interactions. The network is characterized by a high density of connections, particularly between central nodes. Key features include:

- Central Hub Genes:** Genes like *run*, *opa*, *E2f*, *BEAF-32*, *Su(H)*, *gt*, *nerfin-1*, *knrl*, *knr1*, *ara*, *pdm2*, *dpn*, *kni*, *nub*, *hb*, *cad*, *dan*, *sc*, *term*, *exeg*, *esg*, *prd*, *D*, *odd*, *ftz*, *slp1*, *tsh*, *Neu2*, *cas*, *CG3838*, *CG10631*, and *CG9883* are highly connected.
- Regulatory Pathways:** The network shows various pathways, such as the *run* pathway (run → opa → E2f → BEAF-32 → Su(H) → gt → nerfin-1), the *opa* pathway (opa → E2f → BEAF-32 → Su(H) → gt → nerfin-1), and the *sc* pathway (sc → E2f → BEAF-32 → Su(H) → gt → nerfin-1).
- Gene Clusters:** There are several clusters of genes that are highly interactive with each other, such as the cluster around *run* and *opa*, the cluster around *E2f* and *BEAF-32*, and the cluster around *sc* and *term*.
- Regulatory Targets:** Many genes have multiple targets, indicating a complex regulatory network. For example, *run* targets *opa*, *opa* targets *E2f*, *E2f* targets *BEAF-32*, *BEAF-32* targets *Su(H)*, *Su(H)* targets *gt*, *gt* targets *nerfin-1*, *nerfin-1* targets *knrl*, *knrl* targets *knr1*, *knr1* targets *ara*, *ara* targets *pdm2*, *pdm2* targets *dpn*, *dpn* targets *kni*, *kni* targets *nub*, *nub* targets *hb*, *hb* targets *cad*, *cad* targets *dan*, *dan* targets *sc*, *sc* targets *term*, *term* targets *exeg*, *exeg* targets *esg*, *esg* targets *prd*, *prd* targets *D*, *D* targets *odd*, *odd* targets *ftz*, *ftz* targets *slp1*, *slp1* targets *tsh*, *tsh* targets *Neu2*, *Neu2* targets *cas*, *cas* targets *CG3838*, *CG3838* targets *CG10631*, and *CG10631* targets *CG9883*.

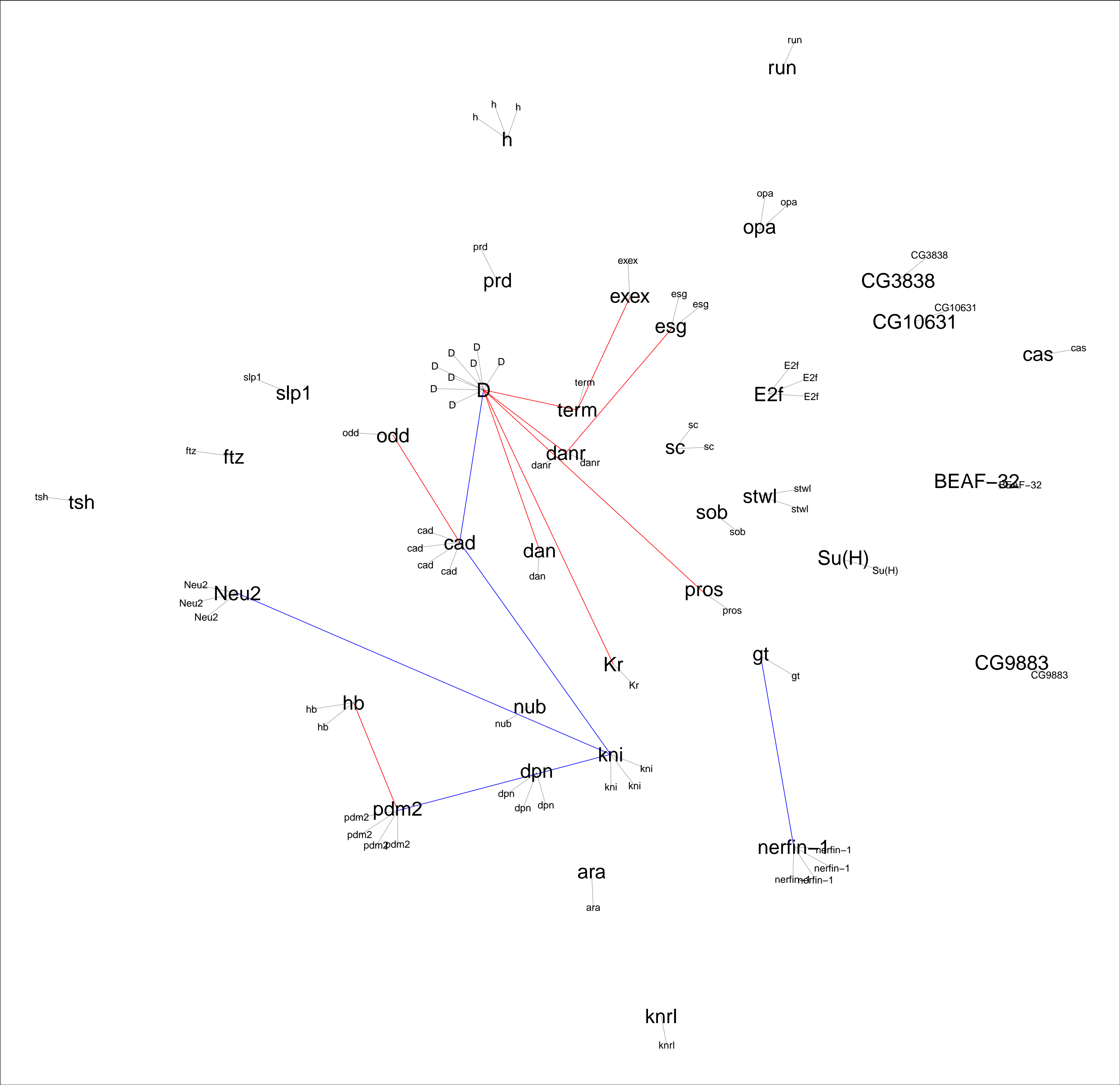
Lower [2.5%,3%] correlation = [-0.53,-0.51]; Upper [3%,2.5%] correlation = [0.68,0.7]



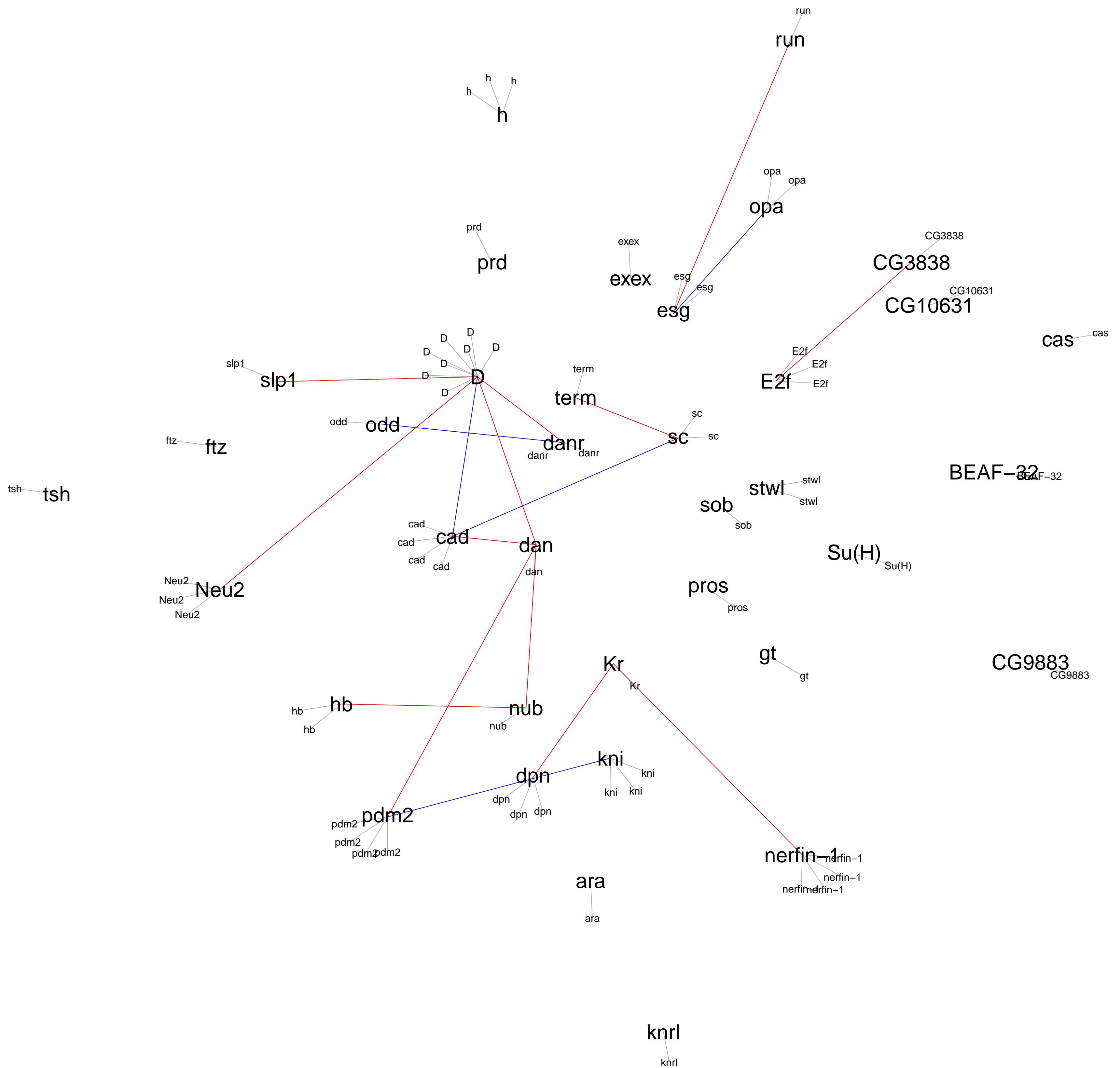
Lower [2%,2.5%] correlation = [-0.56,-0.53]; Upper [2.5%,2%] correlation = [0.7,0.72]



Lower [1.5%,2%] correlation = [-0.58,-0.56]; Upper [2%,1.5%] correlation = [0.72,0.74]



Lower [1%,1.5%] correlation = [-0.62,-0.58]; Upper [1.5%,1%] correlation = [0.74,0.77]



Lower [0.5%,1%] correlation = [-0.66,-0.62]; Upper [1%,0.5%] correlation = [0.77,0.81]

