

Additional file 3

Phylogenetic tree of all human PDZ domains

Locations of LNX PDZ domains within the tree are highlighted. PDZ2 domains from all four LNX proteins cluster together, as do the PDZ1 domains. PDZ3 and PDZ4 domains from LNX1 and LNX2 also cluster together. These clusters are distributed quite widely throughout the tree. This pattern is consistent with the early metazoan origins of the LNX domains and with the idea that LNX3/4 proteins evolved from a LNX1/2 like protein through loss of two carboxy-terminal PDZ domains.

