

[Open Peer Review on Qeios](#)

# Posterior Sex Combs

National Cancer Institute

## Source

National Cancer Institute. *Posterior Sex Combs*. NCI Thesaurus. Code C19869.

The *Drosophila* gene Posterior Sex Combs (Psc) encodes a ring-type zinc finger DNA binding protein (Polycomb group) involved in negative regulation of expression patterns of the antenapedia and bithorax homeotic selector gene complexes, and hence maintenance of segmental determination. Similar sequences have been identified in *Homo sapiens* and *Mus musculus*. Psc interacts genetically with *z*, *brm*, *Sce*, *mxc*, *Asx*, and several other genes. Mutations in Psc generate malformations of the longitudinal tracts. (from SWISS-PROT P35820, FlyBase 0005624, and NCI)