



“Dysferlin subfamily”:

Dysferlin (2p13.1)

Myoferlin (10q24)

Fer1L5 (2q11.2)

alias hCG1810857,
XP_515743 (chimp)

“Otoferlin subfamily”:

Otoferlin (2p23.1)

Fer1L4 (20q11.22)

alias hCG2039456 ,
XP_525311 (chimp)

Fer1L6 (8q24.13)

alias C8orfK23, LOC654463

There are six known human ferlins. In terms of homology and domain structure, they can be divided into two subfamilies, each with three proteins.

In the figure above, the numbers on the lines connecting the different proteins indicate BLAST homology scores for the amino acid sequence (higher number=more similarity). The positions of the genes in the figure *approximately* indicate similarity (closer together=more similar).

The 2q11.2 gene was originally referred to unofficially as “Fer1L5”. In October 2006, the designation Fer1L5 was officially assigned to the 8q24.13 gene. Subsequently, in April 2007, Fer1L5 was reassigned to the 2q11.2 gene, and the 8q24.13 gene was renamed Fer1L6.