Reviewer’s report

Title: The Facioscapulohumeral muscular dystrophy region on 4qter and the homologous locus on 10qter evolved independently under different evolutionary pressure.

Version: 3 Date: 24 January 2007

Reviewer: Silvere M van der Maarel

Reviewer’s report:

General
The manuscript is significantly improved and the compulsory revisions have been adequately addressed. I have only one comment on the text (see minor essential revisions).

Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

In the results section the terms canonical and noncanonical alleles are being introduced while later in the text the terms standard and variant alleles are introduced. This is confusing.

Discretionary Revisions (which the author can choose to ignore)

What next?: Accept after minor essential revisions

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:
I declare that I have no competing financial interests.
We have long-standing interest in the evolution, specification and behaviour of the D4Z4 repeats at chromosomes 4 and 10.