Restriction fragment polymorphisms in the major histocompatibility complex of diabetic BB rats - DTU Orbit (28/12/2018)

**Restriction fragment polymorphisms in the major histocompatibility complex of diabetic BB rats**

DNA isolated from diabetic BB (BB/Hagedorn) rats was examined for restriction fragment length differences within the major histocompatibility complex (MHC) as compared with nondiabetic (W-subline) BB rats. Polymorphisms were detected using a mouse class I MHC gene as probe. Specifically, a 2-kb BamHI fragment was present in all the nondiabetic rats examined, but absent in the diabetic rats. Similar polymorphisms were observed with various other restriction enzymes, particularly XbaI, HindII, and SacI. There were no polymorphisms detected using either a human DR-alpha (class II antigen heavy chain) or a human DC-beta (class II antigen light chain) gene as probes. These results indicate that the BB rat diabetic syndrome may be linked to differences in class I MHC genes.

**General information**

State: Published
Organisations: Division of Toxicology and Risk Assessment, National Food Institute
Contributors: Kastern, W., Dyrberg, T., Scholler, J., Sørensen, I. K.
Pages: 807-809
Publication date: 1984
Peer-reviewed: Yes

**Publication Information**

Journal: Diabetes
Volume: 33
Issue number: 8
ISSN (Print): 0012-1797
Ratings:
- BFI (2018): BFI-level 2
- Web of Science (2018): Indexed yes
- BFI (2017): BFI-level 2
- Scopus rating (2017): CiteScore 5.89 SJR 4.435 SNIP 1.868
- Web of Science (2017): Impact factor 7.273
- Web of Science (2017): Indexed yes
- BFI (2016): BFI-level 2
- Scopus rating (2016): CiteScore 6.2 SJR 4.936 SNIP 2.055
- Web of Science (2016): Impact factor 8.684
- Web of Science (2016): Indexed yes
- BFI (2015): BFI-level 2
- Scopus rating (2015): CiteScore 6.33 SJR 5.222 SNIP 2.053
- Web of Science (2015): Impact factor 8.784
- BFI (2014): BFI-level 2
- Scopus rating (2014): CiteScore 6.47 SJR 4.789 SNIP 2.057
- Web of Science (2014): Impact factor 8.095
- BFI (2013): BFI-level 2
- Scopus rating (2013): CiteScore 7.34 SJR 4.815 SNIP 2.155
- Web of Science (2013): Impact factor 8.474
- ISI indexed (2013): ISI indexed yes
- BFI (2012): BFI-level 2
- Scopus rating (2012): CiteScore 7.34 SJR 4.708 SNIP 2.11
- Web of Science (2012): Impact factor 7.895
- ISI indexed (2012): ISI indexed yes
- Web of Science (2012): Indexed yes
- BFI (2011): BFI-level 2
- Scopus rating (2011): CiteScore 7.6 SJR 4.794 SNIP 2.277
- Web of Science (2011): Impact factor 8.286
- ISI indexed (2011): ISI indexed yes
- BFI (2010): BFI-level 2
- Scopus rating (2010): SJR 5.047 SNIP 2.078