*Bam*HI RFLP for the GHRHR locus

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Source/Description: HPR3Z is a 1.6 kb human growth hormone releasing hormone (GHRH) receptor cDNA clone described by Mayo (1) inserted into pGEM7Z. Sense: cut with *Hin*dIII, use SP6; antisense: cut *Bam*HI, use T7 polymerase.

Polymorphism: *Bam*HI identifies a two allele polymorphism with bands either at 2.6 kb (A1) or 2.4 kb (A2) and an invariant band at 8.5 kb.

Frequency: Studied in 48 unrelated healthy Caucasians.
A1 = 0.72
A2 = 0.28
Calculated heterozygosity = .40.

Not Polymorphic For: *Eco*RI, *Pvu*II, *Pst*I, *Bgl*I, *Bgl*II, *Bcl*I, *Hin*dIII, *Hin*cII, *Msp*I and *Foc*I.

Chromosomal Localisation: Human GHRH receptor (GHRHR) has been mapped to chromosome 7p14 (2).

Mendelian Inheritance: Co-dominant inheritance of alleles A1 and A2 was observed in 29 individuals from 5 families.

Probe Availability: Probe available on request from K.E.Mayo, Department of Biochemistry, Molecular Biology, and Cell Biology, Northwestern University, Evanston, IL 60208, USA.

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References: 1) Mayo,K.E. (1992) *Mol. Endocrinol.* **6**, 1734–1744. 2) Gaylinn,B.G., von Kap-Herr,C., Golden,W.L. and Thorner,M.O. (1994) *Genomics* **19**, 193–195.

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