23 FEB 2006

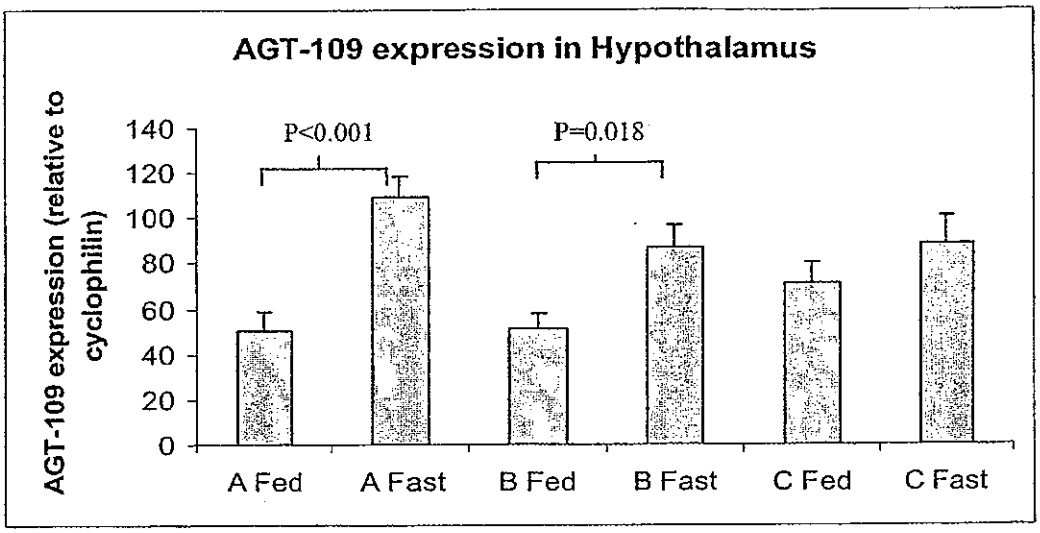


Figure 1

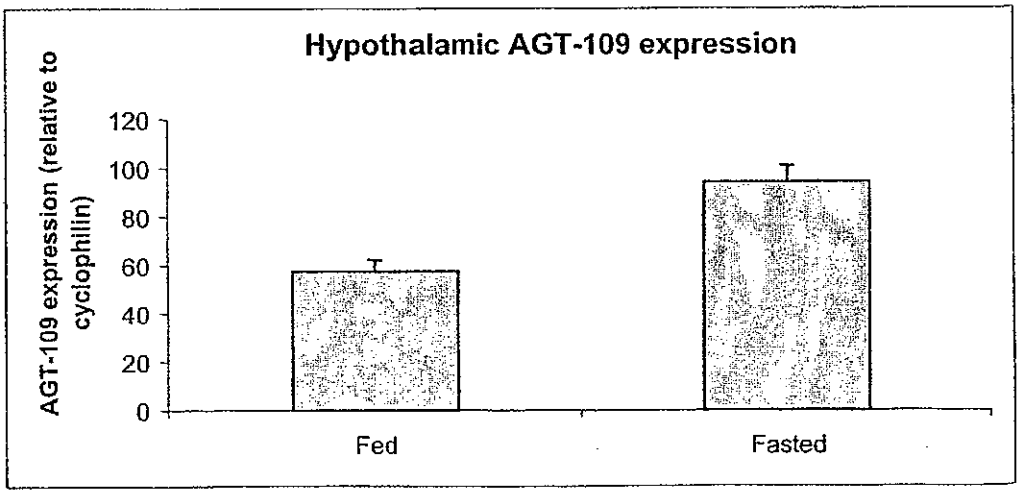


Figure 2

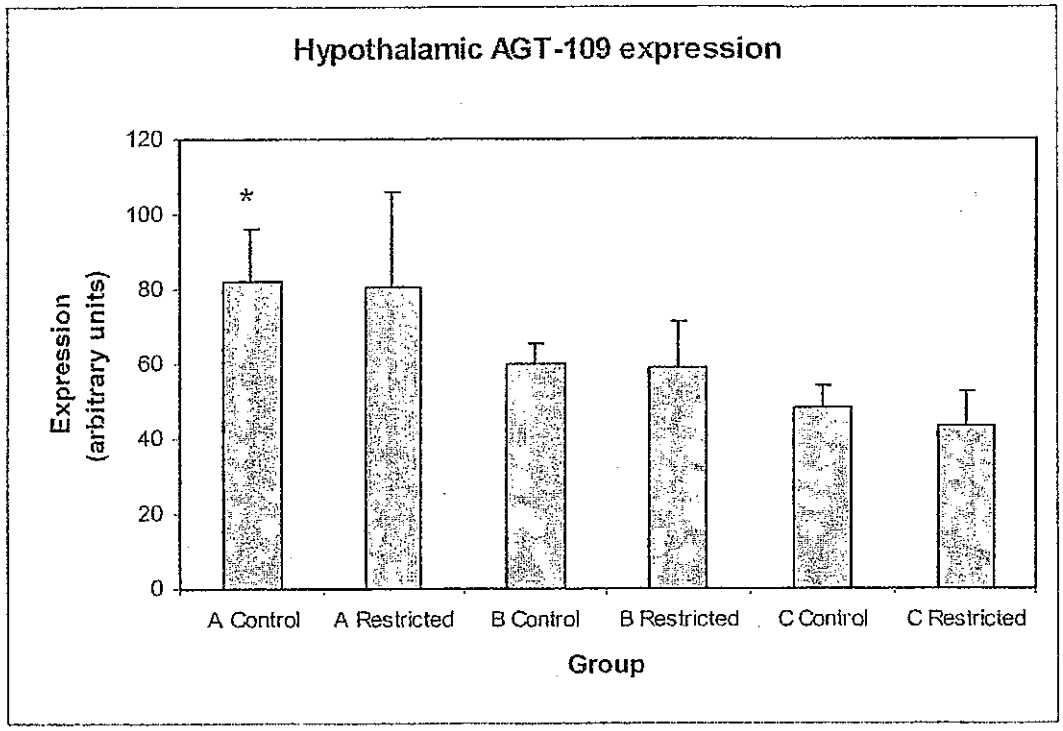


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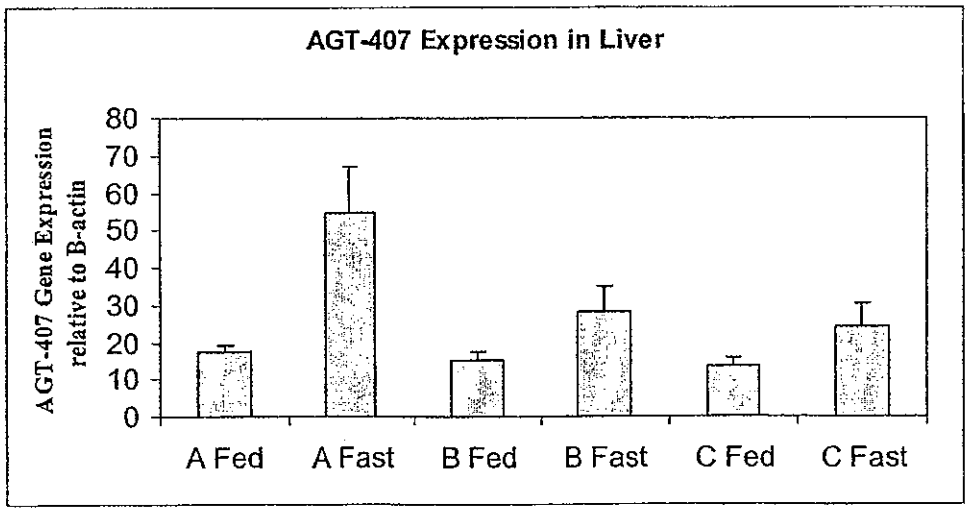


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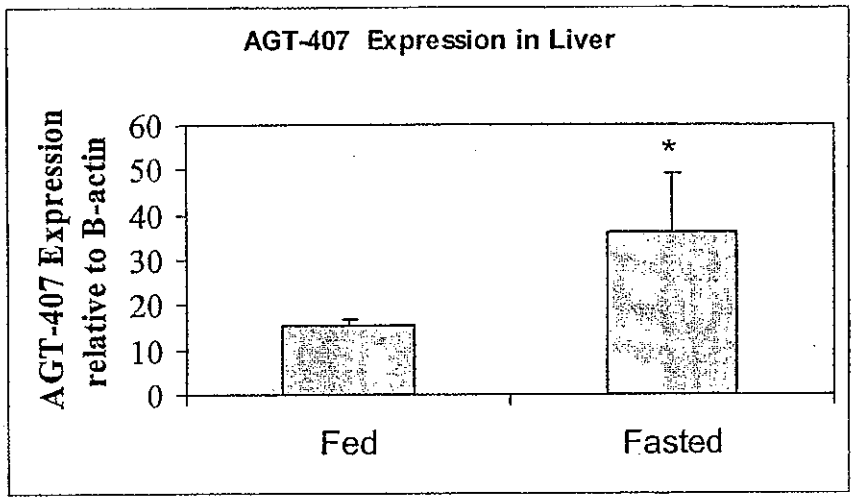


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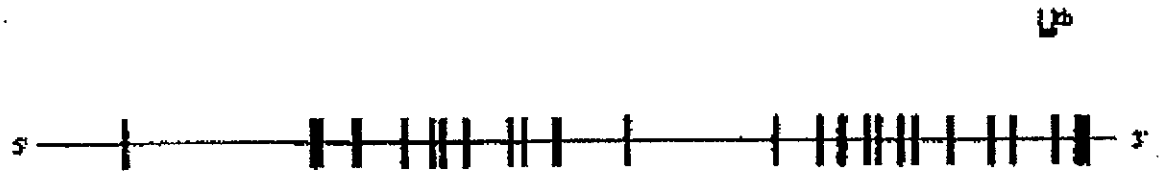


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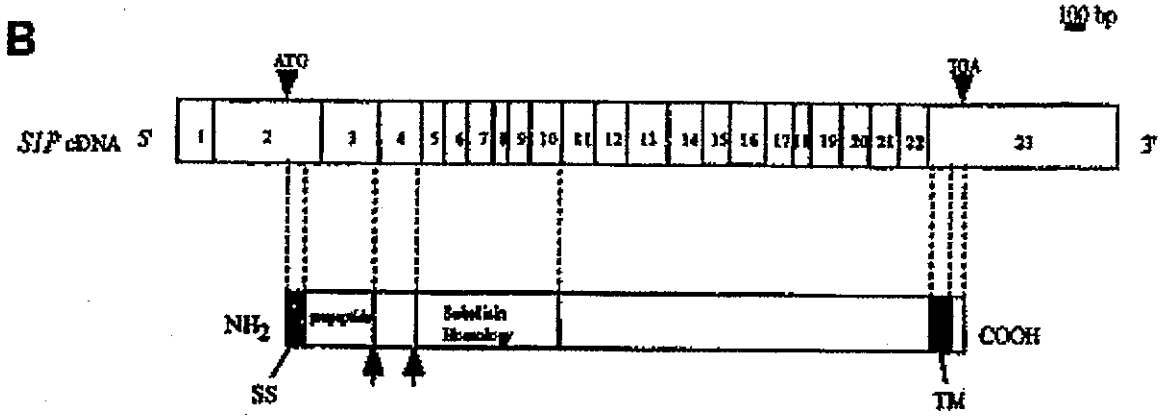


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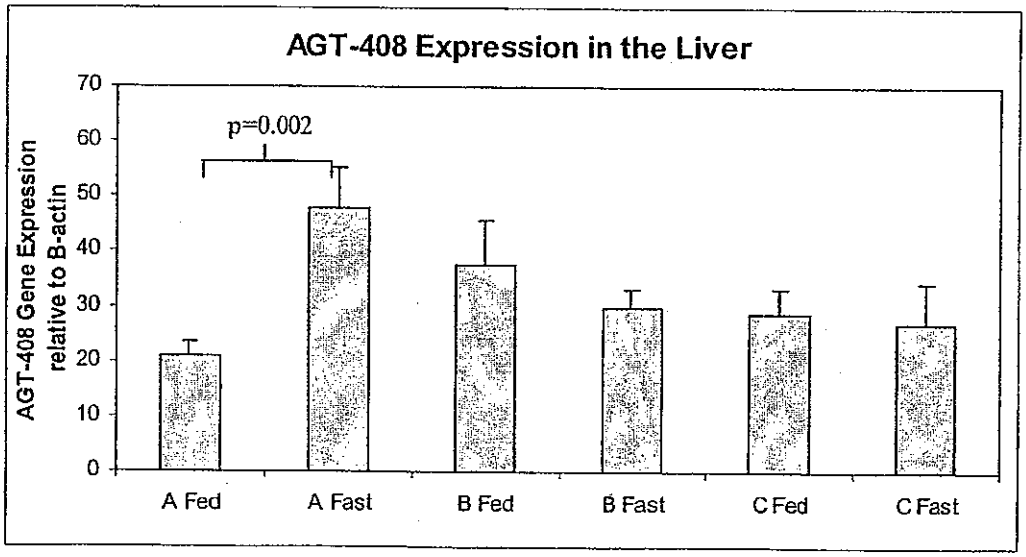


Figure 8

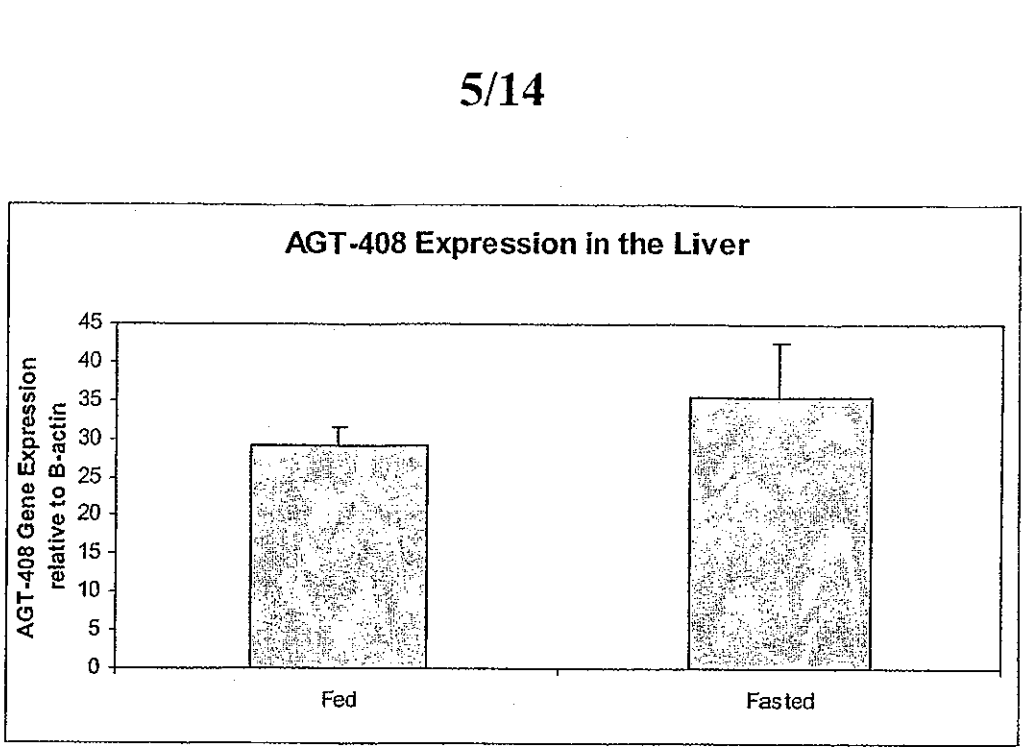


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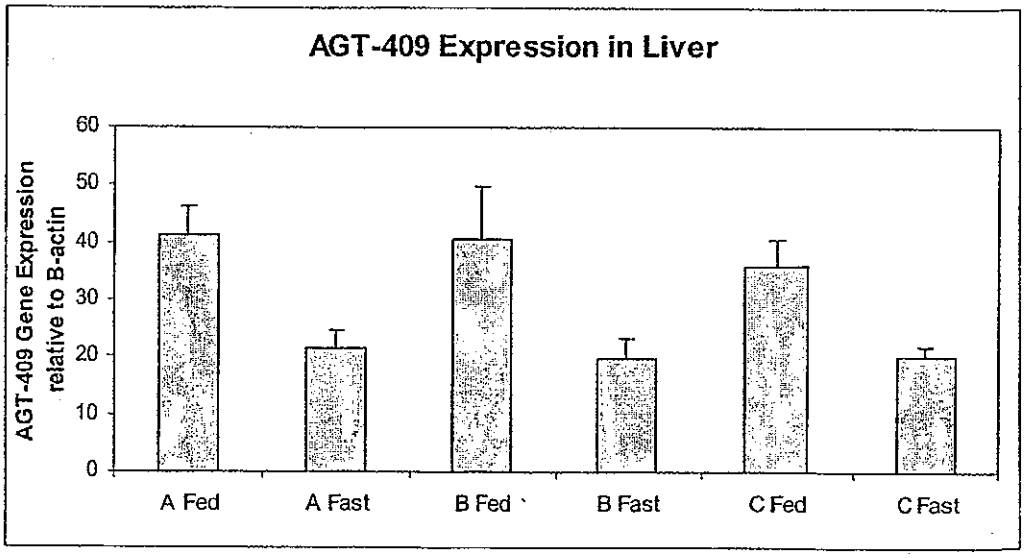


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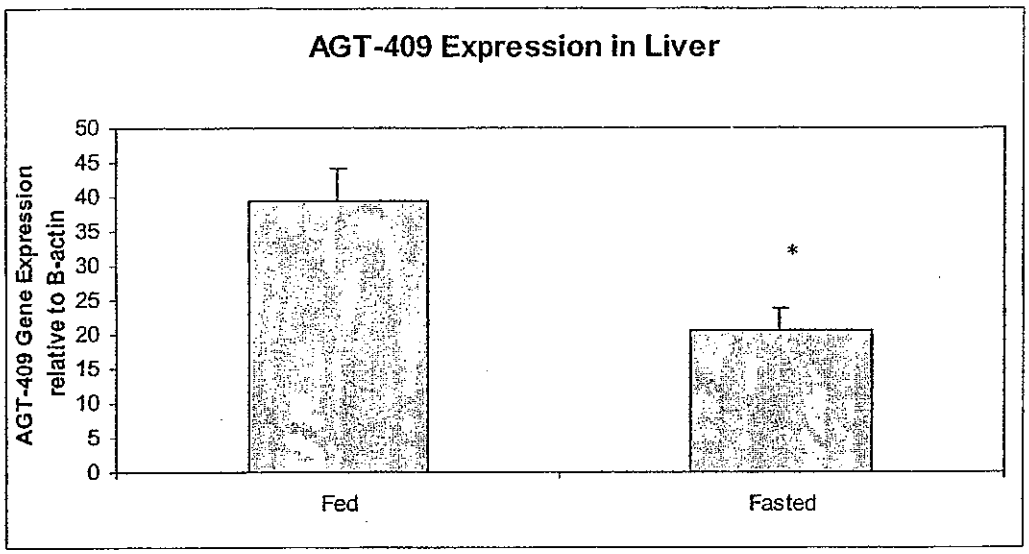


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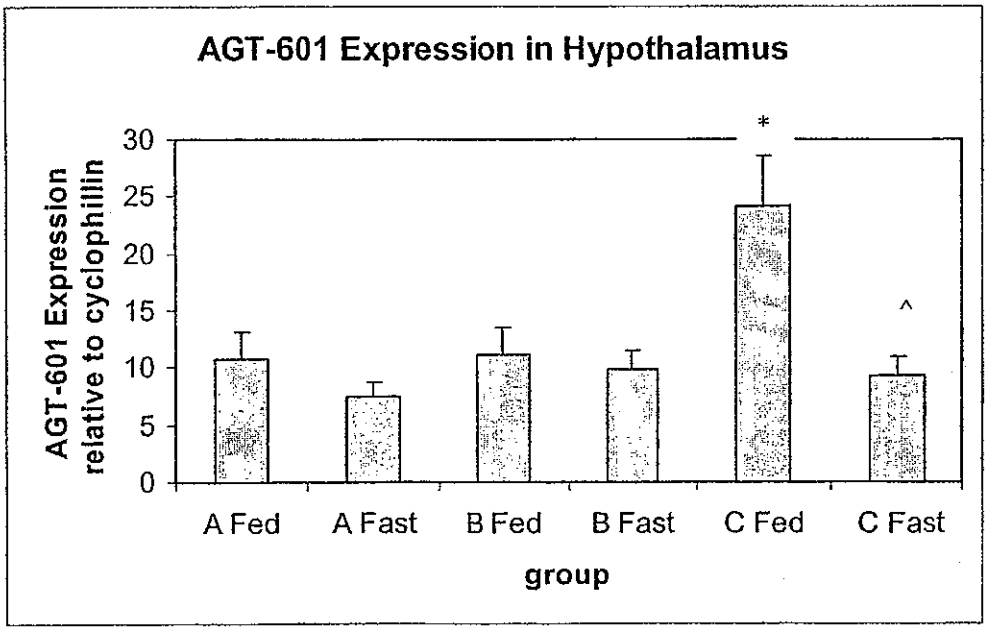


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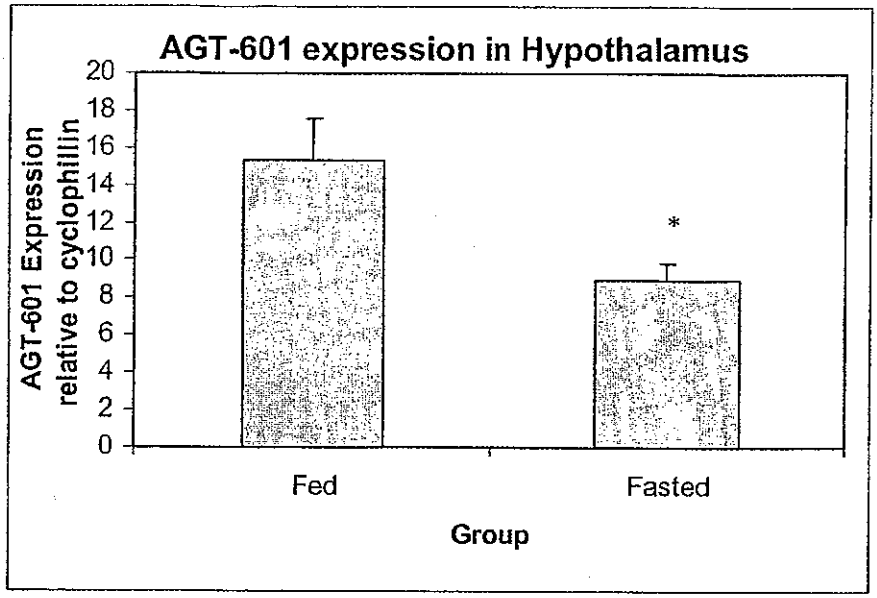


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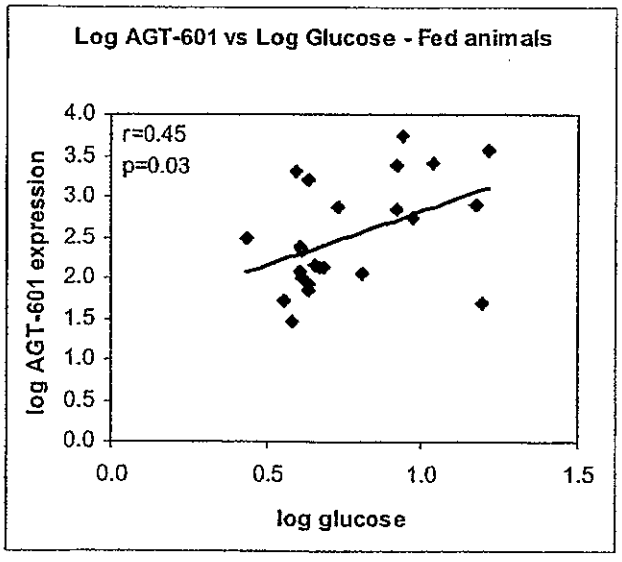


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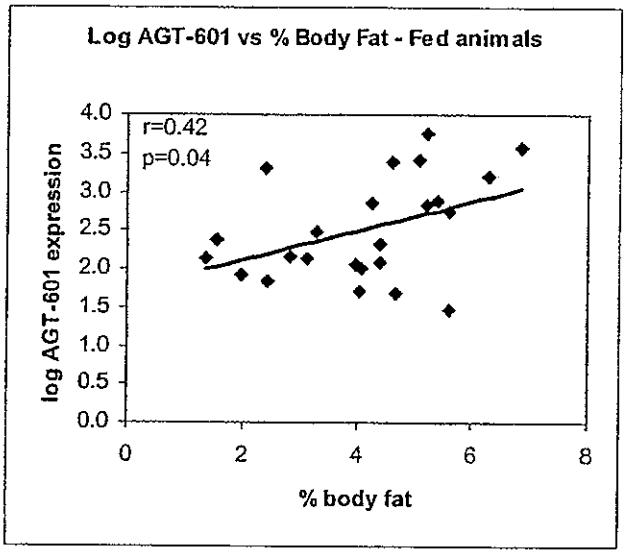


Figure 15

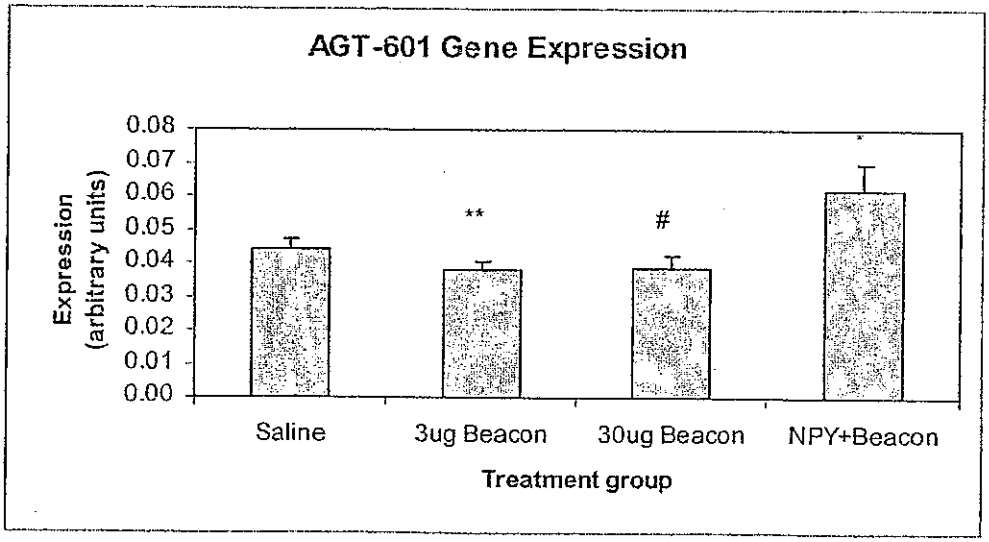


Figure 16

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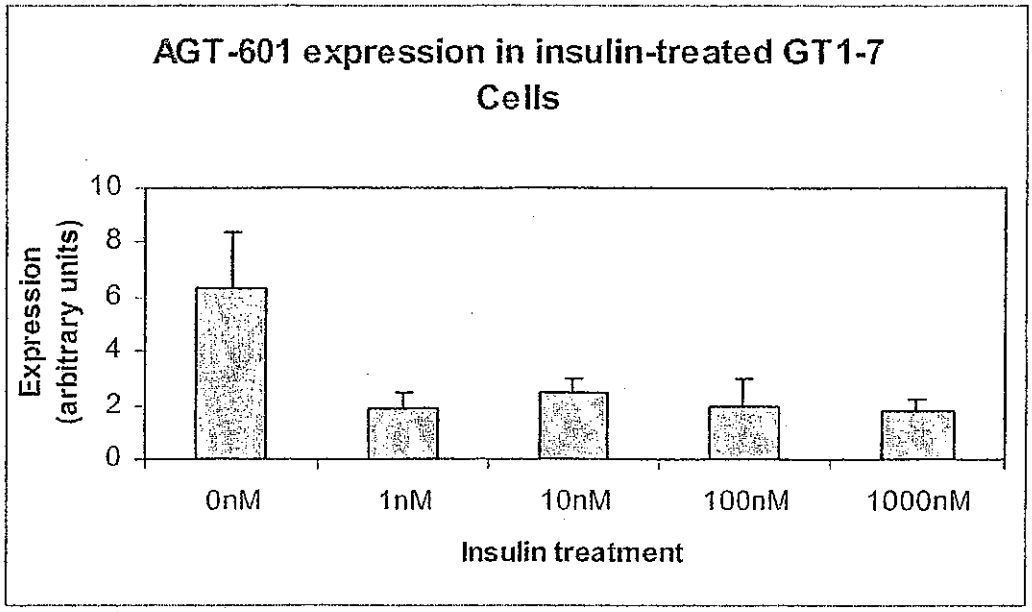


Figure 17

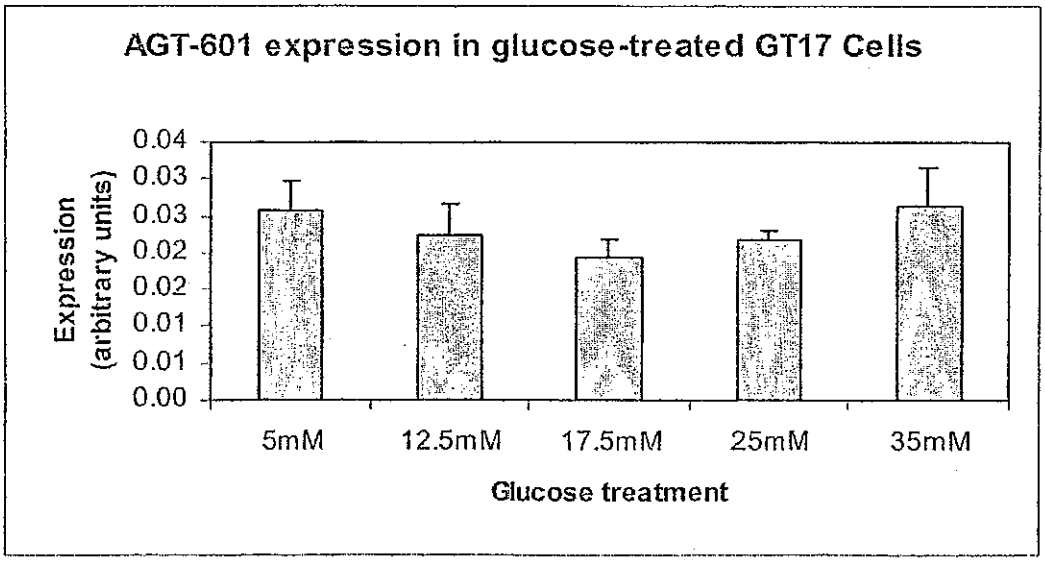


Figure 18

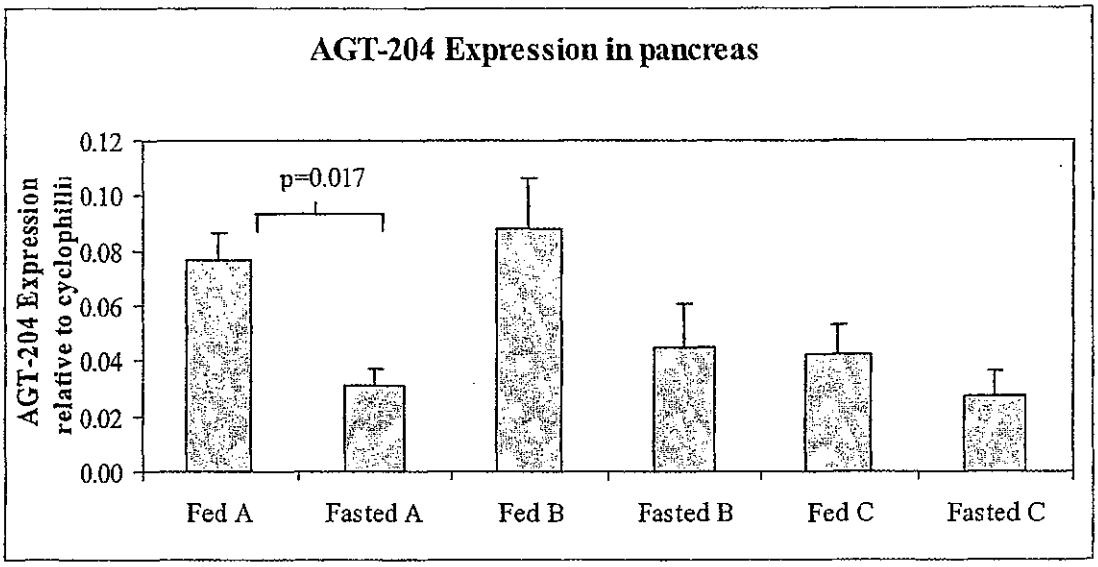


Figure 19

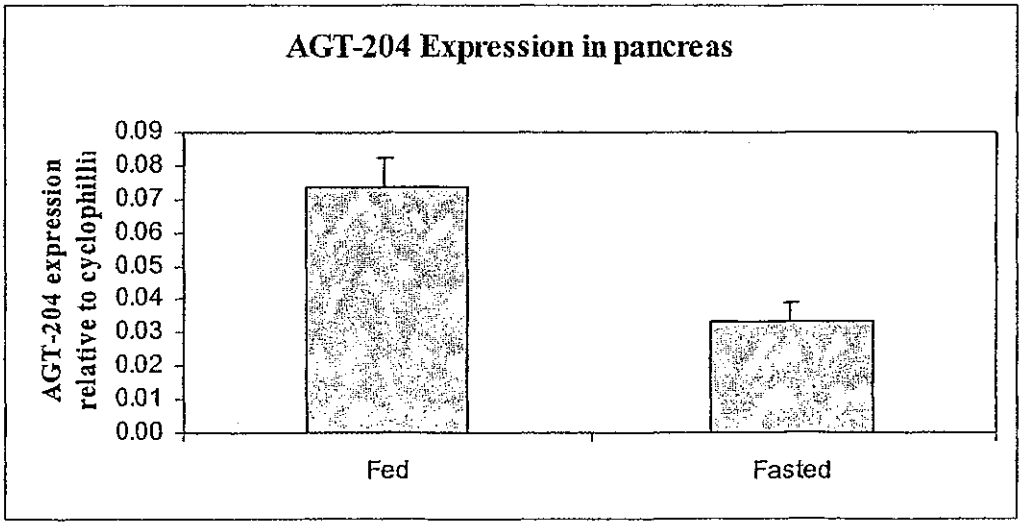


Figure 20

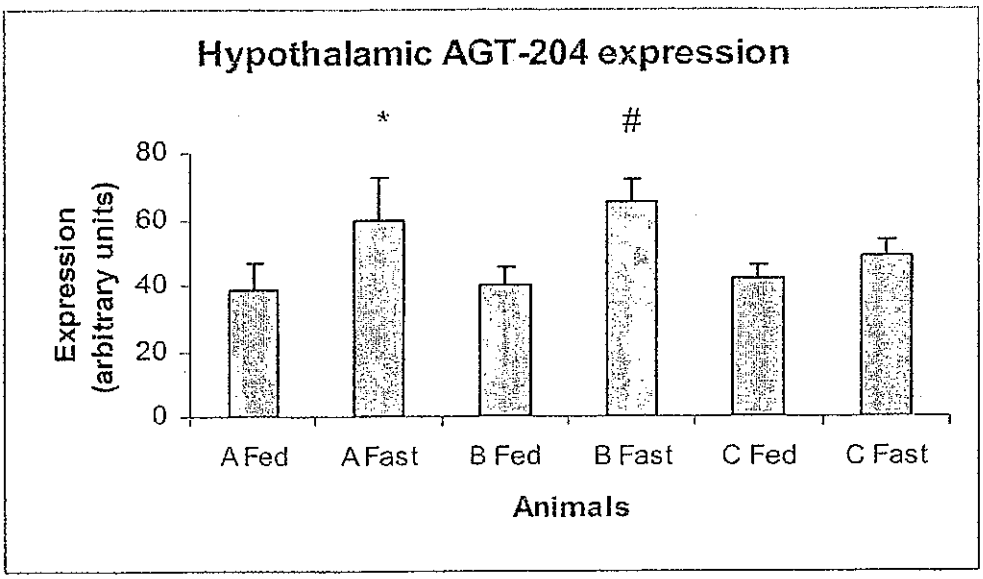


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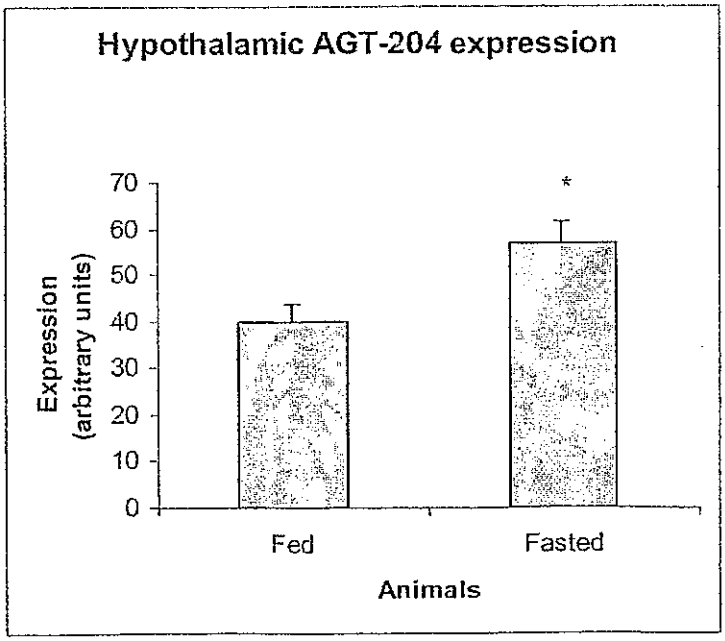


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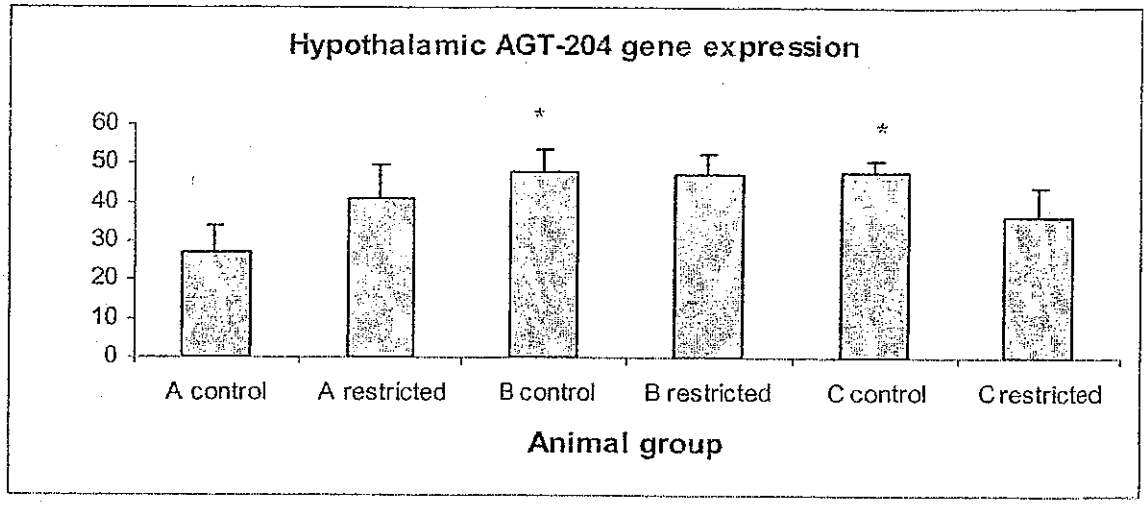


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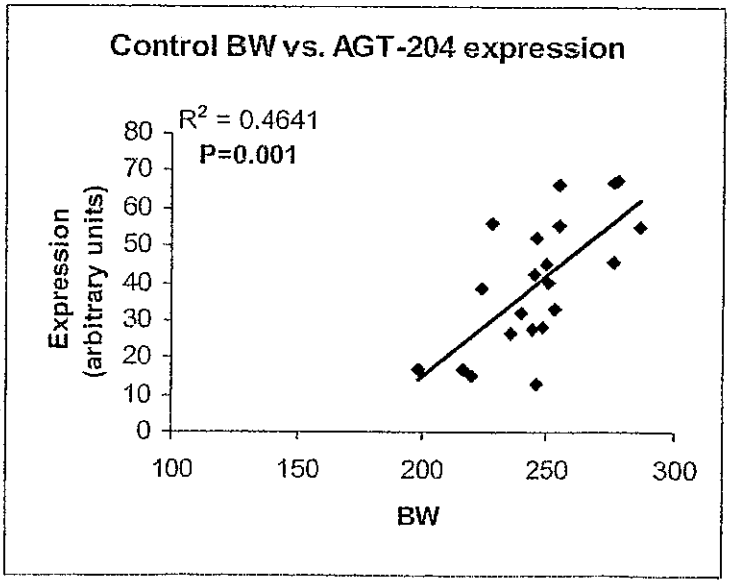


Figure 24

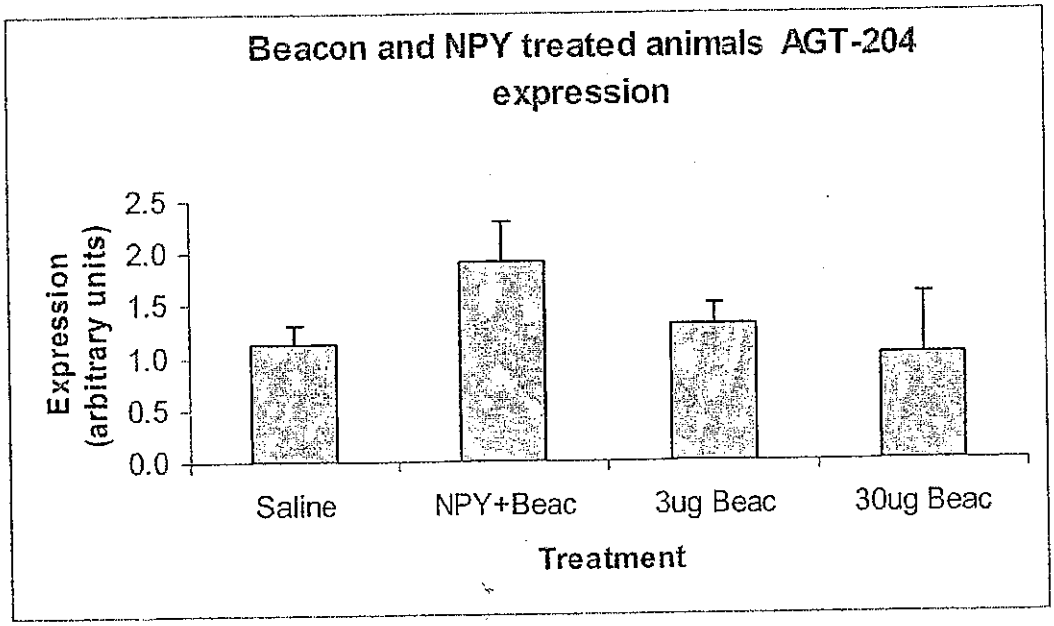

Beacon and NPY treated animals AGT-204 expression
Expression (arbitrary units)
2.5
2.0
1.5
1.0
0.5
0.0
Saline
NPY+Beac
3ug Beac
30ug Beac
Treatment

Figure 25

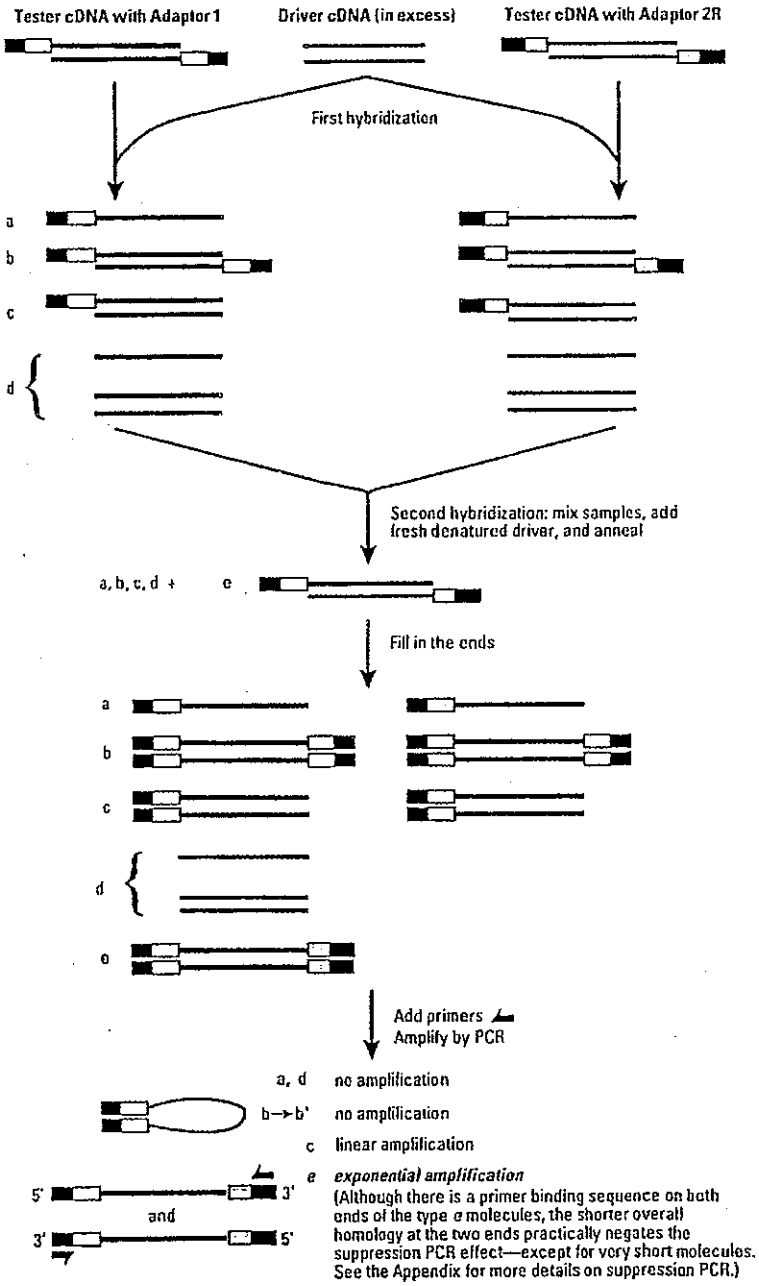

Tester cDNA with Adaptor 1
Driver cDNA (in excess)
Tester cDNA with Adaptor 2R
First hybridization
a
b
c
d
Second hybridization: mix samples, add fresh denatured driver, and anneal
a, b, c, d +
e
Fill in the ends
a
b
c
d
e
Add primers
Amplify by PCR
a, d
no amplification
b→b'
no amplification
c
linear amplification
e
exponential amplification
(Although there is a primer binding sequence on both ends of the type e molecules, the shorter overall homology at the two ends practically negates the suppression PCR effect—except for very short molecules. See the Appendix for more details on suppression PCR.)
5'
3'
and
3'
5'

Figure 26