IRS-1 & IRS-2 and Insulin Resistance

DNA
IRS-1 & -2 variants in Dahl S versus R rats

RNA
Lower renal and hepatic IRS-1 & 2 mRNA levels:
1. In Dahl S versus R rats
2. On high versus low or normal salt diet
3. A dose dependant response

Protein
Decreased IRS-1 and -2 protein levels in Dahl S versus R rats

Activity
Decreased activity of IRS-1 & 2 in Dahl S versus R rats

Suppressed Insulin signaling in Dahl S versus R rats

Genetic Susceptibility to Insulin Resistance and Contribution to Salt-Sensitivity