This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Cancer				
Breast cancer	Estrogen receptor 1 (ESR1); SNP rs2046210	A genomewide association study identified a SNP upstream of <i>ESR1</i> that could be useful for predicting susceptibility to breast cancer. Pooled genetic analysis of three sets of DNA samples from Chinese women with breast cancer showed that the rs2046210 SNP at chromosome 6q25.1 was significantly associated with disease ($p=2 \times 10^{-15}$). ESR1 regulates signal transduction of estrogen, and increased levels of the receptor have been associated with greater risk for breast cancer. Next steps include investigating the functional role of the rs2046210 SNP.	Unpatented; unlicensed	Zheng, W. <i>et al. Nat. Genet.</i> ; published online Feb. 15, 2009; doi:10.1038/ng.318 Contact: Wei Zheng, Vanderbilt University School of Medicine, Nashville, Tenn. e-mail: wei.zheng@vanderbilt.edu
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