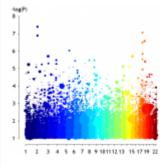
GENETICS

THE POINTILLISM GWA PLOT

13.08.2008



The experts in the field will immediately notice what I am suggesting here – an improved GWA plot that does not take into account p values alone but also effect sizes. I was experimenting some time with <u>smile plots</u> but finally ended with this bubble plot. Bubble size for 0.5<OR>2 is set to a minimum while all other ORs get increasing bubbles (BTW use for OR<1 a 1/OR transformation before-

hand). Chromosomal colors are from a self defined palette using the *colorRampPalette* function in R which makes it look like <u>pointillism</u> art. The real question: Did the previous GWA p value screening miss some important effects? For example the important dot at x=4 and y=4?

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