GWAS = 14 Up-regulated in SS = 43 **Network 1** Down-regulated in SS = 2 Up-regulated in SS (candidate) = 14 Down-regulated in SS (candidate) = 7 **S5** A. PTTG1 RAD51 ENTPD1 В. C. TSHR **Action Types** positive unspecified **Action Effects** activation inhibition binding catalysis phenotype reaction post-translational transcriptional modification regulation