



**Figure S6.** Imputed region of association around the index variant with osteoarthritis. The x axis shows the genomic interval, the left y axis shows the statistical significance of association as negative log<sub>10</sub> of p values. rs10116772 was used as the reference SNP and its p value in the discovery set and post replication is denoted by the purple circle and diamond respectively. The linkage disequilibrium is presented as pairwise  $r^2$  between the reference SNP and the other SNPs in the region with colours according to different bins (0-0.2, dark blue; 0.2-0.4, light blue; 0.4-0.6, green; 0.6-0.8, orange; 0.8-1.0, red). The plot was produced using LocusZoom.