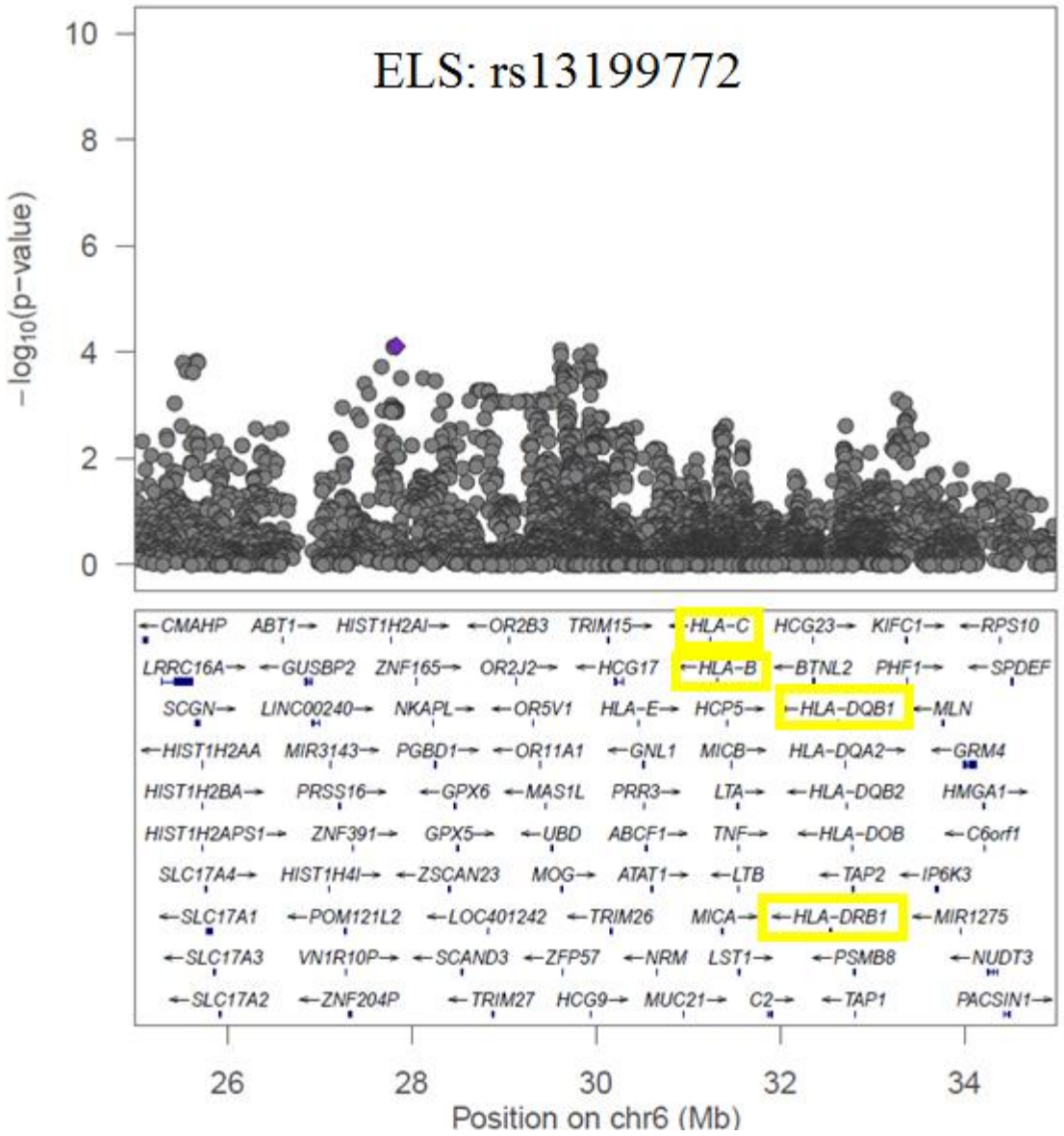
Figures for the association analyses which used SNP data: ELS, RLS, NWR, and case-control. The regional association plots were generated with LocusZoom (Pruim RJ, Welch RP, Sanna S, Teslovich TM, Chines PS, Gliedt TP, Boehnke M, Abecasis GR, Willer CJ. (2010) LocusZoom: Regional visualization of genome-wide association scan results. Bioinformatics 2010, **26**: 2336-2337)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10
8
6
4
2
0
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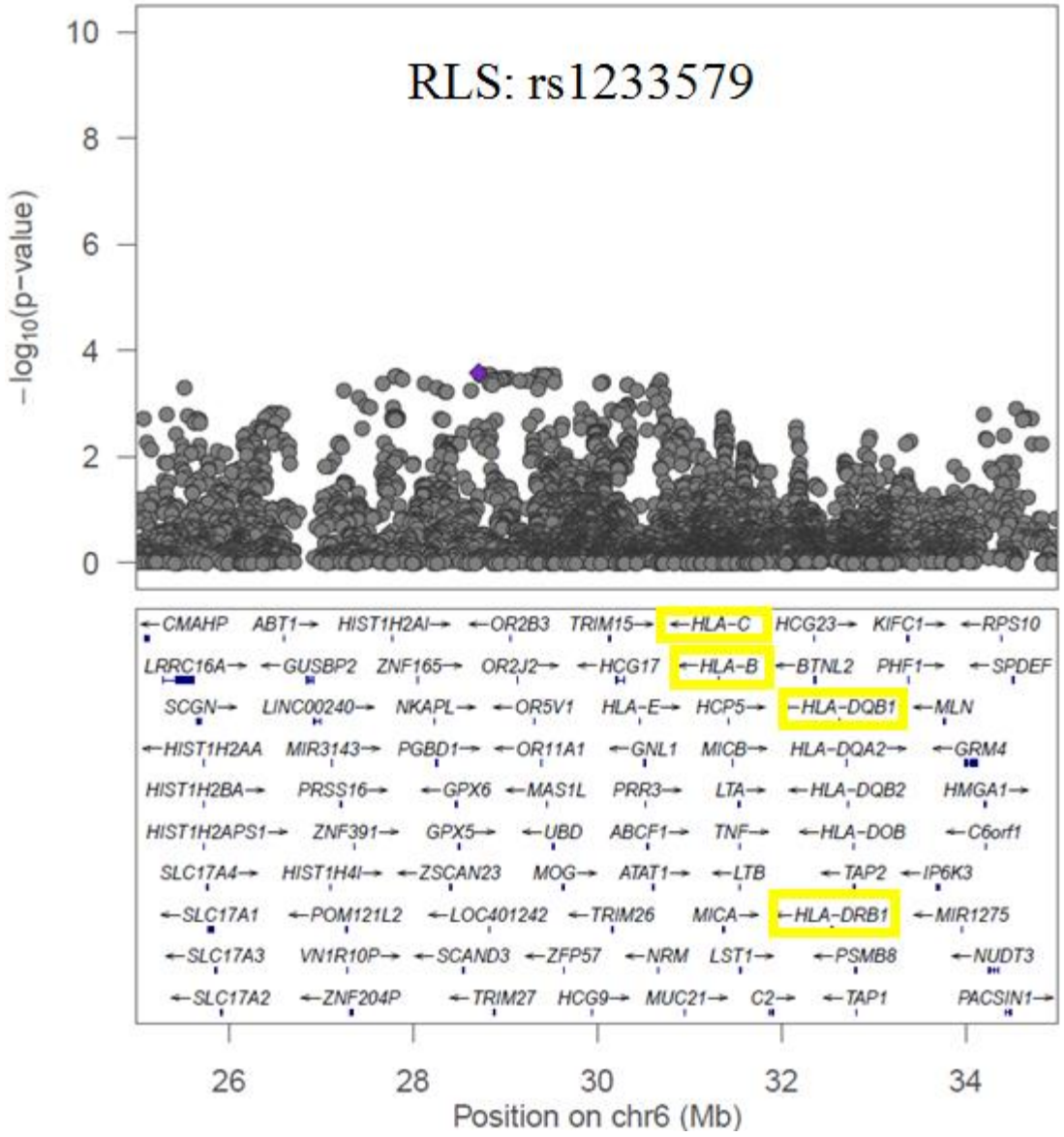
LRRC16A→ ←GUSBP2 ZNF165→ OR2J2→ ←HCG17 ←HLA-B ←BTNL2 PHF1→ ←SPDEF
SCGN→ LINC00240→ NKAPL→ ←OR5V1 HLA-E→ HCP5→ ←HLA-DQB1 ←MLN
←HIST1H2AA MIR3143→ PGBD1→ ←OR11A1 ←GNL1 MICB→ HLA-DQA2→ ←GRM4
HIST1H2BA→ PRSS16→ ←GPX6 ←MAS1L PRR3→ LTA→ ←HLA-DQB2 HMGA1→
HIST1H2APS1→ ZNF391→ GPX5→ ←UBD ABCF1→ TNF→ ←HLA-DOB ←C6orf1
SLC17A4→ HIST1H4I→ ←ZSCAN23 MOG→ ATAT1→ ←LTB ←TAP2 ←IP6K3
←SLC17A1 ←POM121L2 ←LOC401242 ←TRIM26 MICA→ ←HLA-DRB1 ←MIR1275
←SLC17A3 VN1R10P→ ←SCAND3 ←ZFP57 ←NRM LST1→ ←PSMB8 ←NUDT3
←SLC17A2 ←ZNF204P ←TRIM27 HCG9→ MUC21→ C2→ ←TAP1 PACSIN1→
26
28
30
32
34
Position on chr6 (Mb)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2
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SCGN→ LINC00240→ NKAPL→ ←OR5V1 HLA-E→ HCP5→ ←HLA-DQB1 ←MLN
←HIST1H2AA MIR3143→ PGBD1→ ←OR11A1 ←GNL1 MICB→ HLA-DQA2→ ←GRM4
HIST1H2BA→ PRSS16→ ←GPX6 ←MAS1L PRR3→ LTA→ ←HLA-DQB2 HMGA1→
HIST1H2APS1→ ZNF391→ GPX5→ ←UBD ABCF1→ TNF→ ←HLA-DOB ←C6orf1
SLC17A4→ HIST1H4I→ ←ZSCAN23 MOG→ ATAT1→ ←LTB ←TAP2 ←IP6K3
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←SLC17A2 ←ZNF204P ←TRIM27 HCG9→ MUC21→ C2→ ←TAP1 PACSIN1→
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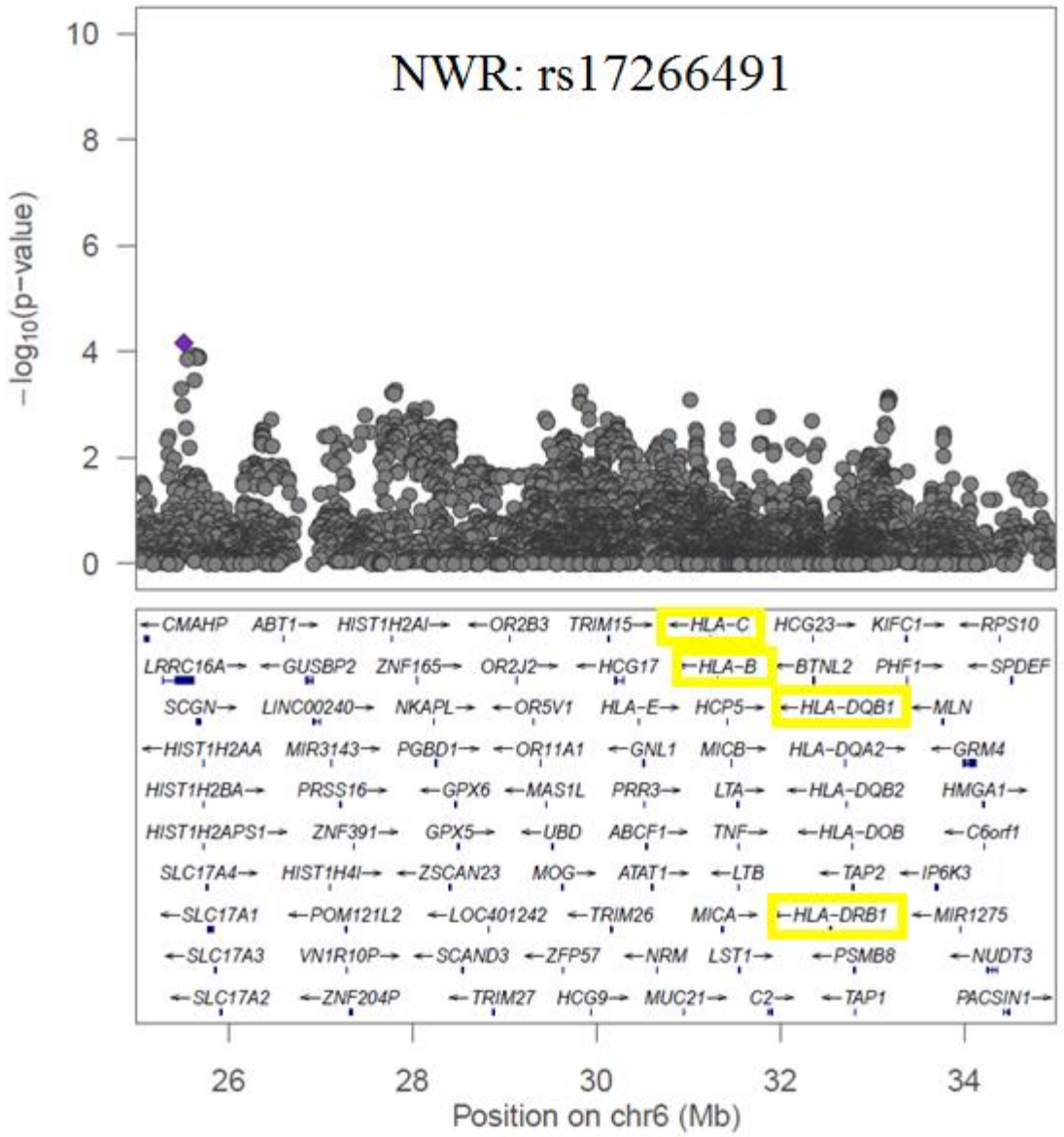
Position on chr6 (Mb)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SCGN→ LINC00240→ NKAPL→ ←OR5V1 HLA-E→ HCP5→ ←HLA-DQB1 ←MLN
←HIST1H2AA MIR3143→ PGBD1→ ←OR11A1 ←GNL1 MICB→ HLA-DQA2→ ←GRM4
HIST1H2BA→ PRSS16→ ←GPX6 ←MAS1L PRR3→ LTA→ ←HLA-DQB2 HMGA1→
HIST1H2APS1→ ZNF391→ GPX5→ ←UBD ABCF1→ TNF→ ←HLA-DOB ←C6orf1
SLC17A4→ HIST1H4I→ ←ZSCAN23 MOG→ ATAT1→ ←LTB ←TAP2 ←IP6K3
←SLC17A1 ←POM121L2 ←LOC401242 ←TRIM26 MICA→ ←HLA-DRB1 ←MIR1275
←SLC17A3 VN1R10P→ ←SCAND3 ←ZFP57 ←NRM LST1→ ←PSMB8 ←NUDT3
←SLC17A2 ←ZNF204P ←TRIM27 HCG9→ MUC21→ C2→ ←TAP1 PACSIN1→
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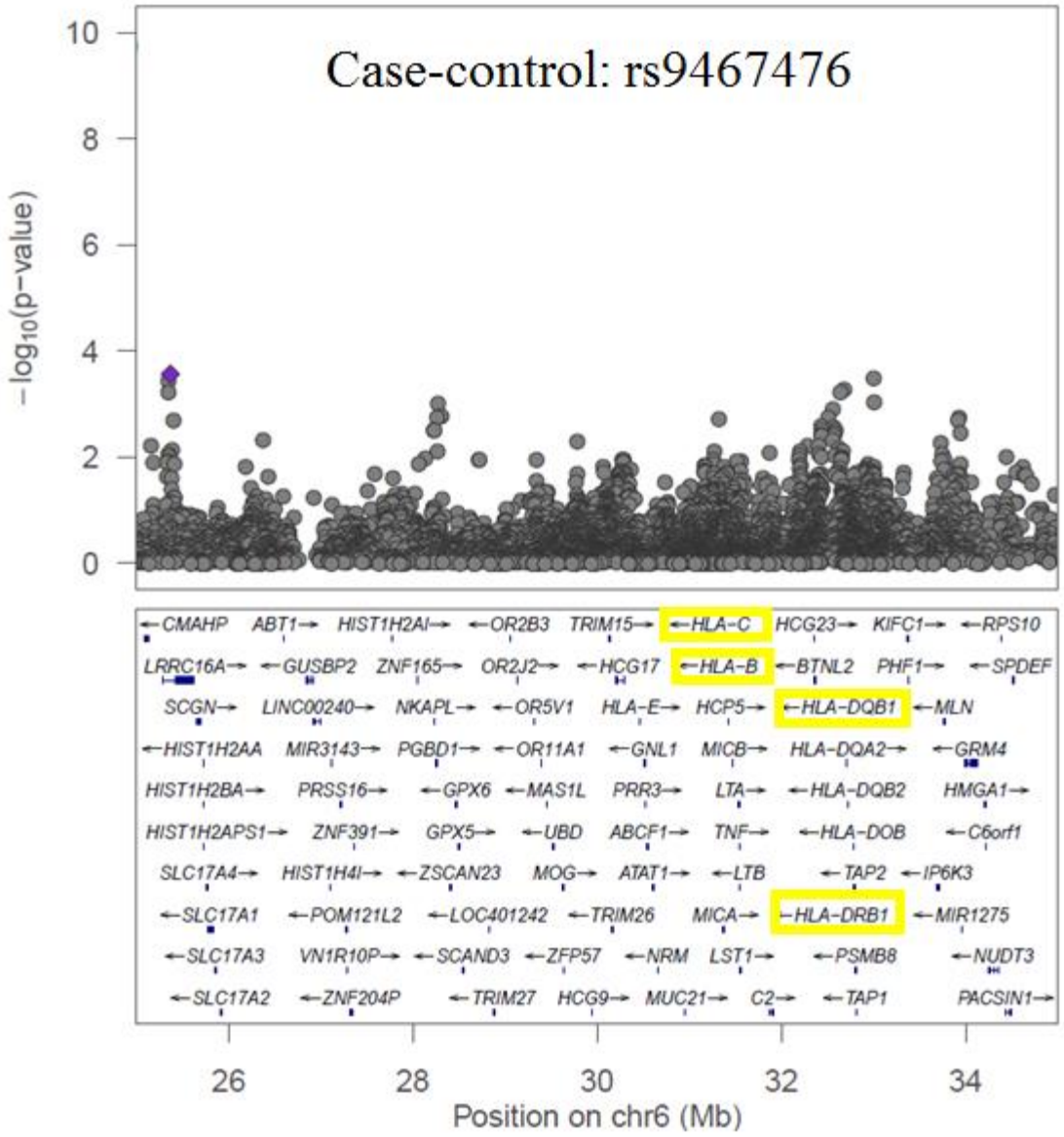
Position on chr6 (Mb)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LRRC16A→ ←GUSBP2 ZNF165→ OR2J2→ ←HCG17 ←HLA-B ←BTNL2 PHF1→ ←SPDEF
SCGN→ LINC00240→ NKAPL→ ←OR5V1 HLA-E→ HCP5→ ←HLA-DQB1 ←MLN
←HIST1H2AA MIR3143→ PGBD1→ ←OR11A1 ←GNL1 MICB→ HLA-DQA2→ ←GRM4
HIST1H2BA→ PRSS16→ ←GPX6 ←MAS1L PRR3→ LTA→ ←HLA-DQB2 HMGA1→
HIST1H2APS1→ ZNF391→ GPX5→ ←UBD ABCF1→ TNF→ ←HLA-DOB ←C6orf1
SLC17A4→ HIST1H4I→ ←ZSCAN23 MOG→ ATAT1→ ←LTB ←TAP2 ←IP6K3
←SLC17A1 ←POM121L2 ←LOC401242 ←TRIM26 MICA→ ←HLA-DRB1 ←MIR1275
←SLC17A3 VN1R10P→ ←SCAND3 ←ZFP57 ←NRM LST1→ ←PSMB8 ←NUDT3
←SLC17A2 ←ZNF204P ←TRIM27 HCG9→ MUC21→ C2→ ←TAP1 PACSIN1→
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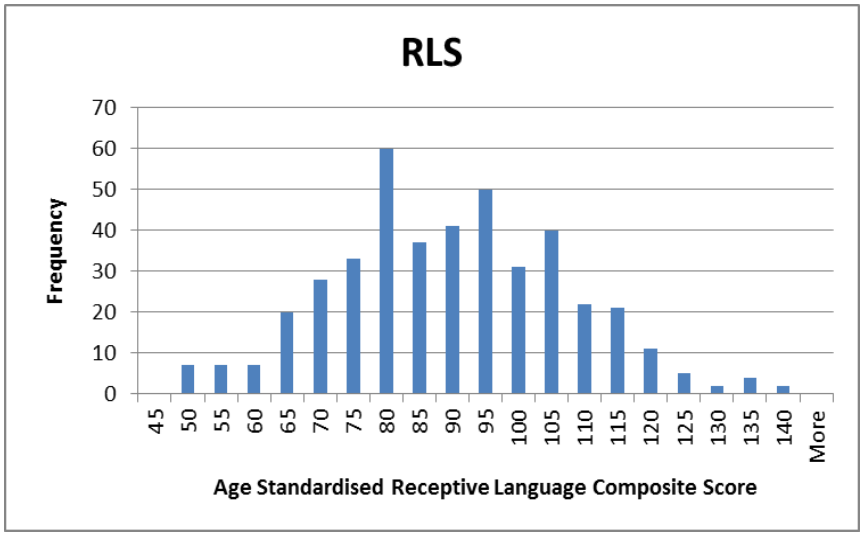
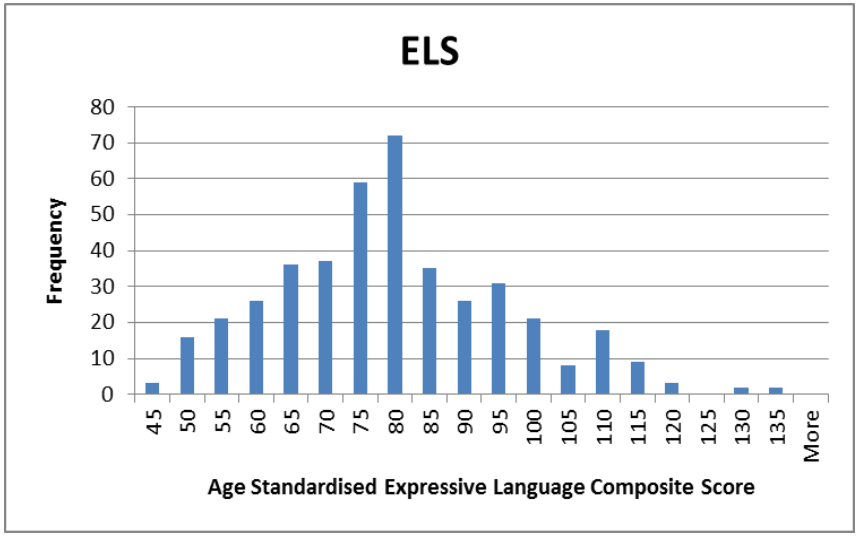
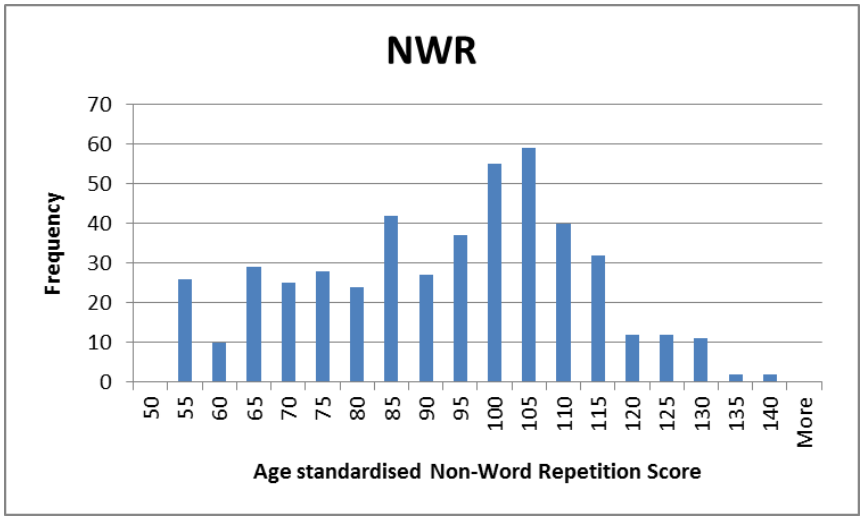
Position on chr6 (Mb)

Distributions of quantitative traits in our sample