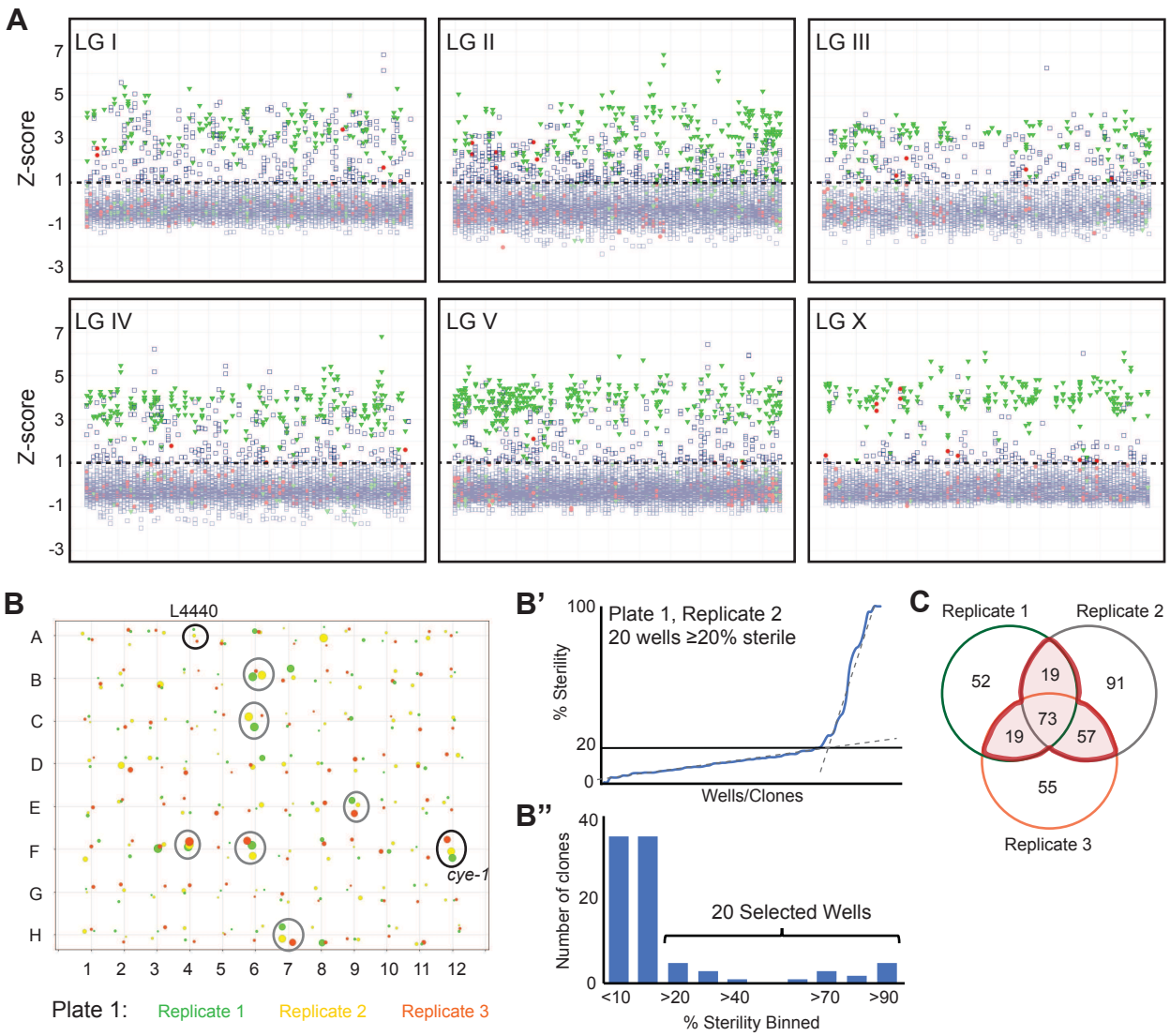

Figure S3. Two-step primary RNAi screen selection criteria.
(A) Z-scores for the percent sterility score in the 1st pass of the Primary screen, separated by the linkage group of the predicted gene identity. Each graph shows the Z-scores (Y axis) from each RNAi experiment, as calculated on a plate-by-plate basis (see Methods). Dotted line indicates the cut-off for the primary screen. Blue squares indicate experimental clones, solid green triangles are positive controls (all controls, including those that proved variable; see Methods), and solid red circles are negative controls (L4440 and dpy-5).
(B) Representative data for the 2nd pass of the Primary screen. (B) Dot plot of the percent sterility for individual wells (X-axis= row, Y-axis= column) from a representative plate (#1); biological replicates are indicated in green, yellow, and orange, with the size of the circle indicating the percent sterility scored. The positions of negative (L4440) and positive (cye-1) controls are indicated. The wells circled in grey were carried forward for subsequent analysis. (B' and B'') Representative example (plate 1, replicate 2) of the plate-by-plate and replicate-by-replicate "point of inflection" analysis. (B') Percent sterility for each well/clone on the plate was plotted in ascending order. The intersection of the two-best fit slopes (the dotted grey lines) is shown; which for this plate was ~20%. (B") Results from the same plate are shown in a histogram format binned in increments of 10%. (C) Venn Diagram showing the number of wells/clones selected from the first pass.