**Singular Value Decomposition Analysis (SVD)** Extension (G) Grn Extension (C) Grn Extension (T) Red Extension (A) Red Hyb (High) Grn Hyb (Medium) Grn-Hyb (Low) Grn Target Removal 2 Grn Target Removal 1 Grn BSC-II C4 Red BSC-II C3 Red BSC-II C2 Red -BSC-II C1 Red BSC-I C6 Red BSC-I C5 Red BSC-I C4 Red BSC-I C3 Grn BSC-I C2 Grn BSC-I C1 Grn Sex Cell\_Type  $p < 1x 10^{-10}$ Batch  $p < 1x 10^{-5}$ Array · p < 0.01p < 0.05Slide p > 0.05Sample\_Group