

Make a sequence database, gsNd-0, of 75 bp Solexa reads of the ecotype Nd-0.



And/or



SHORE analysis of gsNd-0 with the Col-0 genome sequence and SNPs identification.

Search sequences of the gsNd-0 database with ~50 Kb Col-0 sequence from marker-poor region.



Identify at least two Nd-0 75 bp staggered sequence reads containing SNPs.



Corresponding single copy Col-0 sequences should be supported by at least one EST sequence or two BAC clones-derived sequences.



Investigate Nd-0 and Col-0 haplotype sequences containing SNPs for possible restriction site polymorphisms to generate SBP markers.



Confirm SBP markers by conducting PCR, restriction digestion and gel electrophoresis.