



Figure 4. Genomic regions with selection signals in SWA group.

(a) Distribution of the pairwise fixation index (F_{ST}) (x axis) and π ln-ratio (y axis) between SWA and North-East Asian goats. (b) The putative sweep region (Chr. 5, 17,901 to 18,300 kb) is additionally validated by F_{ST} , π , Tajima's D, and CLR tests. (c) The patterns of 32,465 high

frequency SNPs in the variable *KITLG* region (18,116–18,161 kb) are shown. **(d)** The frequency of introgressed *KITLG* haplotypes in domestic goat populations. **(e)** Haplotype network based on pairwise differences within the selective sweep region (chr5: 18,11–18,161 kb) in *KITLG*.