

a

Calculate π of original / target group* in whole Chr11 (5-0.5 Kb window)

Delete the windows of $n_variants < 10$ and $\pi_{original} \leq$ lowest 5%

Delete the windows unique to π_{target} compared with $\pi_{original}$

Find the windows unique to $\pi_{original}$ and fill up corresponding π_{target} with 0

Calculate ROD ($1 - \pi_{target} / \pi_{original}$)

Calculate F_{ST} between original / target group

Cut-off

$\pi_{target} \leq$ lowest 5%

$F_{ST} \geq$ top 5% or 1%

ROD \geq top 5%

*original group: Wild for domestication and Local for breeding;
target group: Local for domestication and CHN-I/JPN-I for breeding

b

