1	Signatures of selection analyses reveal genomic differences among three heavy pig
2	breeds that constitute the genetic backbone of a dry-cured ham production system
3	
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11	
12	Supplementary data
13	All Excel tables are accessible through Zenodo link <u>10.5281/zenodo.11204407</u> .
14	
15	Supplementary Table S1. ROH islands detected in the genome of Italian Duroc (ID),
16	Italian Landrace (IL) and Italian Large White (ILW) pig breeds. The table includes the
17	breed, chromosomes (SSC), positions of the signatures of selection regions identified at
18	the 99 th and 99.5 th percentile thresholds (start, end and length), as well as, for the 99.5 th
19	regions, genes detected in NCBI (<u>www.ncbi.nlm.nih.gov</u>) and ENSEMBL
20	(<u>www.ensembl.org</u>) databases for Sscrofa11.1 genome version.
21	
22	Supplementary Table S2. iHS regions detected for the Italian Duroc (ID), Italian Landrace
22	(II) and Italian Large White (IIW) pig breeds. The table includes the breed, chromosomes

24 (SSC), positions of the signatures of selection regions identified at the 99th and 99.5th

percentile thresholds (start, end and length), as well as, for the 99.5th regions, genes
 detected in NCBI (<u>www.ncbi.nlm.nih.gov</u>) and ENSEMBL (<u>www.ensembl.org</u>) databases
 for Sscrofa11.1 genome version.

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Supplementary Table S3. F_{ST} regions detected for the pairwise comparisons between pig
breeds. The table includes the breed pairwise comparison, chromosomes (SSC), positions
of the signatures of selection regions identified at the 99th and 99.5th percentile thresholds
(start, end and length), as well as, for the 99.5th regions, genes detected in NCBI
(www.ncbi.nlm.nih.gov) and ENSEMBL (www.ensembl.org) databases for Sscrofa11.1
genome version.

Supplementary Table S4. XP-EHH regions detected for pairwise comparisons between
pig breeds. The table includes the breed pairwise comparison, chromosomes (SSC),
positions of the signatures of selection identified at the 99th and 99.5th percentile
thresholds (start, end and length), as well as, for the 99.5th regions, genes detected in
NCBI (www.ncbi.nlm.nih.gov) and ENSEMBL (www.ensembl.org) databases for
Sscrofa11.1 genome version.

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Supplementary Table S5. Overlapping between the signature of selection regions
detected in the three Italian pig breeds with signals detected in two previous studies
involving the same breeds.

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- Supplementary Table S6. Overlapping between the signature of selection regions
 detected in the three Italian pig breeds and the QTL detected by previous GWAS
 investigations in Italian Duroc and Italian Large White.
- 50
- 51
- 52 Supplementary Table S7. Complete enrichment tables for the different analyses of
- signatures of selection analyses within pig breeds and across pig breeds.