Table. X. The significance (p<0.05) of k proportion test for QTL number influencing different traits between the breed pairs

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|  | SW/TP | SW/GR | SW/VC | SW/HR | SW/KG | SW/OG | TP/GR | TP/VC | TP/HR | TP/KG | TP/OG |
| MILK YIELD - MILK COMPOSITION | \* | \* | \* | \* |  |  | \* | \* |  | \* |  |
| MILK YIELD - REPRODUCTION |  |  | \* |  |  |  |  | \* |  |  |  |
| MILK YIELD - MEAT & CARCASS |  | \* |  | \* | \* |  | \* | \* |  |  |  |
| MILK YIELD - HEALTH |  |  |  |  |  |  | \* |  |  |  |  |
| MILK YIELD - PRODUCTION |  | \* | \* | \* | \* | \* |  | \* |  | \* |  |
| MILK YIELD - EXTERIOR MORPHOLOGY |  |  |  |  |  |  |  |  |  |  |  |
| MILK COMPOSITION - REPRODUCTION |  | \* |  | \* |  |  | \* |  |  | \* |  |
| MILK COMPOSITION - MEAT & CARCASS |  |  |  |  |  |  |  |  |  |  |  |
| MILK COMPOSITION - HEALTH |  | \* |  | \* |  |  |  |  |  | \* |  |
| MILK COMPOSITION - PRODUCTION |  | \* |  | \* |  |  | \* |  |  |  |  |
| MILK COMPOSITION - EXTERIOR MORPHOLOGY |  | \* |  | \* |  |  | \* | \* |  |  |  |
| REPRODUCTION - MEAT & CARCASS |  | \* |  | \* | \* |  | \* |  |  |  |  |
| REPRODUCTION - HEALTH |  |  |  |  |  |  |  |  |  |  |  |
| REPRODUCTION - PRODUCTION |  |  |  |  | \* |  |  |  |  | \* |  |
| REPRODUCTION - EXTERIOR MORPHOLOGY |  |  |  |  |  |  |  | \* |  |  |  |
| MEAT & CARCASS - HEALTH |  | \* |  | \* |  |  |  |  |  |  | \* |
| MEAT & CARCASS - PRODUCTION |  |  |  |  |  |  | \* |  |  |  |  |
| MEAT & CARCASS - EXTERIOR MORPHOLOGY |  | \* |  | \* |  |  | \* |  |  |  |  |
| HEALTH - PRODUCTION |  | \* |  | \* |  |  | \* |  |  | \* | \* |
| HEALTH - EXTERIOR MORPHOLOGY |  |  |  |  |  |  | \* |  |  |  |  |
| PRODUCTION - EXTERIOR MORPHOLOGY |  |  | \* |  |  | \* |  | \* |  |  |  |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | GR/VC | GR/HR | GR/KG | GR/OG | VC/HR | VC/KG | VC/OG | HR/KG | HR/OG | KG/OG |
| MILK YIELD - MILK COMPOSITION |  |  |  | \* |  |  | \* | \* | \* |  |
| MILK YIELD - REPRODUCTION | \* |  |  |  |  | \* | \* |  |  |  |
| MILK YIELD - MEAT & CARCASS | \* |  |  | \* |  |  |  | \* | \* |  |
| MILK YIELD - HEALTH |  |  |  |  |  |  |  |  |  |  |
| MILK YIELD - PRODUCTION | \* |  | \* |  |  |  | \* | \* |  |  |
| MILK YIELD - EXTERIOR MORPHOLOGY |  |  |  |  |  |  |  |  |  |  |
| MILK COMPOSITION - REPRODUCTION |  |  |  | \* |  |  |  | \* |  | \* |
| MILK COMPOSITION - MEAT & CARCASS |  |  |  |  | \* |  |  |  |  | \* |
| MILK COMPOSITION - HEALTH |  |  |  | \* |  |  |  |  | \* | \* |
| MILK COMPOSITION - PRODUCTION |  |  |  |  |  |  |  |  |  |  |
| MILK COMPOSITION - EXTERIOR MORPHOLOGY |  |  |  | \* |  |  |  |  |  |  |
| REPRODUCTION - MEAT & CARCASS |  |  |  | \* |  |  |  | \* |  |  |
| REPRODUCTION - HEALTH |  |  |  |  |  | \* |  |  |  |  |
| REPRODUCTION - PRODUCTION |  |  | \* | \* |  |  |  | \* |  | \* |
| REPRODUCTION - EXTERIOR MORPHOLOGY |  |  |  |  | \* |  |  |  |  | \* |
| MEAT & CARCASS - HEALTH |  |  |  | \* | \* |  |  |  | \* | \* |
| MEAT & CARCASS - PRODUCTION |  |  |  |  | \* |  | \* |  |  | \* |
| MEAT & CARCASS - EXTERIOR MORPHOLOGY |  |  |  | \* | \* |  |  |  |  | \* |
| HEALTH - PRODUCTION |  |  | \* |  |  |  | \* |  |  |  |
| HEALTH - EXTERIOR MORPHOLOGY |  |  |  |  |  |  |  |  |  |  |
| PRODUCTION - EXTERIOR MORPHOLOGY | \* |  | \* | \* | \* |  | \* |  |  |  |
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