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Identifying novel genes for carcass traits by testing G x E interaction through genome-wide meta-analysis in Chinese Simmental beef cattle

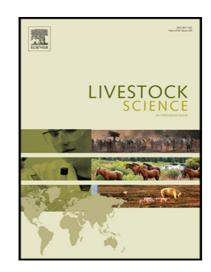
Xiaoqiao Wang, Jian Miao, Jiangwei Xia, Tianpeng Chang, Guangxin E, Jinshan Bao, Shengyun Jin, Lingyang Xu, Lupei Zhang, Bo Zhu, Xue Gao, Yan Chen, Junya Li, Huijiang Gao

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Highlight

- A meta-analytic approach to identify loci involved in G x E interaction was proposed.
- Confounders such as years were treated as multiple environments in this GAWS.
- Six novel candidate genes related to carcass traits in Simmental beef cattle were revealed, namely *RISM2*, *PRKAR2B*, *GPR133*, *AKAP1*, *PCDH10*, and *AADAT*.

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