


CURRICULUM VITAE

Personal Information				请
Name	Zheyu Sheng	Gender	Female	
Position Title		Associated professor		
Working Department		Animal Science and Technology		
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Research Interest				
<p>Our research aims to dissect the genetic mechanism underlying the most important economical traits in chicken breeding. We are particularly interested in studying the genetic mechanisms that regulate the complex, polygenic traits in computational and bioinformatic ways and to decipher how these contribute to adaptation and evolution.</p>				
Education & Working Experience				
2016.03 – Now	associated professor in department of animal science and technology, Huazhong Agricultural University			
2013.08 – 2015.12	Postdoc in computational genetics, Swedish University of Agricultural Sciences			
2007.09 – 2013.07	PhD in biochemistry and molecular biology, China Agricultural University			
2010.09 – 2012.09	visiting PhD students in computational genetics, SLU			
2003.09 – 2007.07	Bachelor in bioengineering, Nanchang University			
Publications				

附上照片

1. Huang T*, Pu Y*, Song C, **Sheng Z**⁺, Hu X⁺. A quantitative trait locus on chromosome 2 was identified that accounts for a substantial proportion of phenotypic variance of the yellow plumage color in chicken. **poultry science**, 2020 June, **99(6):2902-2910**.
2. Yuan Y, Peng D, Gu X, Gong Y, **Sheng Z**⁺, Hu X⁺. Polygenic Basis and Variable Genetic Architectures Contribute to the Complex Nature of Body Weight -A Genome-Wide Study in Four Chinese Indigenous Chicken Breeds. **Front Genet**. 2018 Jul 2;9:229.
3. Zan Y*, **Sheng Z**^{*}, Lillie M, Rönnegård L, Honaker CF, Siegel PB, Carlborg Ö. Artificial Selection Response due to Polygenic Adaptation from a Multilocus, Multiallelic Genetic Architecture. **Mol Biol Evol**. 2017 Oct 1;34(10):2678-2689.
4. Guo Y*, Gu X*, **Sheng Z**^{*}, Wang Y, Luo C, Liu R, Qu H, Shu D, Wen J, Crooijmans RP, Carlborg Ö, Zhao Y, Hu X, Li N. A Complex Structural Variation on Chromosome 27 Leads to the Ectopic Expression of HOXB8 and the Muffs and Beard Phenotype in Chickens. **PLoS Genet**. 2016 Jun 2;12(6):e1006071.
5. **Sheng Z**, Pettersson ME, Honaker CF, Siegel PB, Carlborg Ö. Standing genetic variation as a major contributor to adaptation in the Virginia chicken lines selection experiment. **Genome Biology** 2015, 16:219.