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Supplement of

Copy number variations of five Y chromosome genes in donkeys

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Table S1 Multiple pair-wise comparisons of median copy number (MCN) of *CUL4BY* gene

	QH	GS	HL	JM	LZ	KL	QY	GZ	DZ	BY	GY	XJ	CY
QH	—												
GS	*	—											
HL	nsd	nsd	—										
JM	**	***	***	—									
LZ	nsd	nsd	nsd	nsd	—								
KL	nsd	nsd	nsd	***	nsd	—							
QY	nsd	**	*	nsd	nsd	*	—						
GZ	**	***	**	nsd	nsd	**	*	—					
DZ	***	***	***	nsd	*	***	**	nsd	—				
BY	***	***	***	nsd	nsd	***	*	nsd	nsd	—			
GY	nsd	*	nsd	nsd	nsd	nsd	nsd	nsd	*	nsd	—		
XJ	nsd	nsd	nsd	**	nsd	nsd	nsd	*	***	***	nsd	—	
CY	nsd	*	*	*	nsd	*	nsd	**	**	**	nsd	nsd	—

Note: nsd: no significant difference; * $P < 0.05$; ** $P < 0.01$; *** $P < 0.001$. The full name of each breed is listed in Table 1.

Table S2 Multiple pair-wise comparisons of median copy number (MCN) of *ETSTY1* gene

	QH	GS	HL	JM	LZ	KL	QY	GZ	DZ	BY	GY	XJ	CY
QH	—												
GS	***	—											
HL	*	nsd	—										
JM	nsd	***	**	—									
LZ	nsd	***	*	nsd	—								
KL	nsd	nsd	nsd	nsd	nsd	—							
QY	nsd	***	**	nsd	nsd	nsd	—						
GZ	***	nsd	nsd	***	***	*	***	—					
DZ	**	**	nsd	***	**	nsd	***	**	—				
BY	nsd	***	nsd	nsd	nsd	nsd	nsd	***	*	—			
GY	nsd	***	*	nsd	nsd	nsd	nsd	***	***	nsd	—		
XJ	nsd	**	nsd	nsd	nsd	nsd	*	**	nsd	nsd	nsd	—	
CY	nsd	***	**	nsd	nsd	*	nsd	**	***	nsd	*	**	—

Note: nsd: no significant difference; * $P < 0.05$; ** $P < 0.01$; *** $P < 0.001$. The full name of each breed is listed in Table 1.

Table S3 Multiple pair-wise comparisons of median copy number (MCN) of *ETSTY4* gene

	QH	GS	HL	JM	LZ	KL	QY	GZ	DZ	BY	GY	XJ	CY
QH	—												
GS	*	—											
HL	*	nsd	—										
JM	*	***	***	—									
LZ	nsd	nsd	nsd	***	—								
KL	**	nsd	nsd	***	*	—							
QY	nsd	*	**	**	*	***	—						
GZ	nsd	*	*	nsd	nsd	**	nsd	—					
DZ	nsd	*	*	***	nsd	***	nsd	nsd	—				
BY	*	***	**	nsd	**	***	nsd	nsd	***	—			
GY	*	nsd	nsd	***	nsd	**	**	*	nsd	***	—		
XJ	**	nsd	nsd	***	nsd	nsd	**	*	**	***	nsd	—	
CY	nsd	nsd	**	**	*	**	nsd	nsd	nsd	nsd	*	nsd	—

Note: nsd: no significant difference; * $P < 0.05$; ** $P < 0.01$; *** $P < 0.001$. The full name of each breed is listed in Table 1.

Table S4 Multiple pair-wise comparisons of median copy number (MCN) of *ETSTY5* gene

	QH	GS	HL	JM	LZ	KL	QY	GZ	DZ	BY	GY	XJ	CY
QH	—												
GS	nsd	—											
HL	nsd	nsd	—										
JM	***	***	***	—									
LZ	nsd	nsd	nsd	***	—								
KL	nsd	nsd	nsd	***	nsd	—							
QY	nsd	**	nsd	***	*	*	—						
GZ	nsd	nsd	nsd	***	nsd	nsd	nsd	—					
DZ	nsd	*	nsd	***	nsd	nsd	nsd	nsd	—				
BY	nsd	**	nsd	***	nsd	*	nsd	nsd	nsd	—			
GY	nsd	nsd	nsd	***	nsd	nsd	nsd	nsd	nsd	nsd	—		
XJ	nsd	nsd	nsd	***	nsd	nsd	nsd	nsd	nsd	nsd	nsd	—	
CY	*	nsd	*	***	nsd	nsd	**	*	**	***	nsd	*	—

Table S5 Multiple pair-wise comparisons of median copy number (MCN) of *SRY* gene

	QH	GS	HL	JM	LZ	KL	QY	GZ	DZ	BY	GY	XJ	CY
QH	—												
GS	**	—											
HL	nsd	*	—										
JM	***	***	**	—									
LZ	nsd	nsd	nsd	*	—								
KL	**	nsd	*	***	nsd	—							
QY	nsd	**	nsd	**	nsd	**	—						
GZ	*	***	nsd	nsd	nsd	**	nsd	—					
DZ	nsd	**	nsd	***	nsd	**	nsd	*	—				
BY	***	***	*	nsd	*	***	*	nsd	***	—			
GY	nsd	**	nsd	**	nsd	**	nsd	nsd	nsd	*	—		
XJ	nsd	**	nsd	**	nsd	**	nsd	nsd	nsd	nsd	nsd	—	
CY	nsd	*	nsd	**	nsd	**	nsd	nsd	nsd	*	nsd	nsd	—

Note: nsd: no significant difference; * $P < 0.05$; ** $P < 0.01$; *** $P < 0.001$. The full name of each breed is listed in Table 1.