

## Supplementary material

### Primer sequences

HBA Fwd 5' TGACCTCCAAGTACCGTTAAGCT  
HBA Rev 5' CTCAGACTTTATTCCAACATCAGGAA  
HBB Fwd 5' CTCACCACTTTGGCAAAGAATTC  
HBB Rev 5' ACCAGCCACCACCTTCTGAT  
HBE Fwd 5' GACACCTTTGCTGAGCTAAGTGAA  
HBE Rev 5' CATGTTGCCTAGAAGCTTGAAGTTC  
HBZ Fwd 5' GGACCATCATCCTGTCCATGT  
HBZ Rev 5' AGGGCCTCGGTGCCAAT  
HEBP1 Fwd 5' AGTCCCTATTTCTTTGCTGTGTT  
HEBP1 Rev 5' TGAATCCGGAACCAGACTT

**Table S1.** Foxes used for real-time RT-PCR.

ID	Age <sup>1</sup>	Sex <sup>2</sup>	Origin <sup>3</sup>
V227/04	2	M	wild
V230/04	2	M	wild
V231/04	2	M	wild
V247/04	1	M	wild
V296/04	1	M	wild
V297/04	1.5	F	wild
V299/04	3	F	wild
V301/04	1	M	wild
V302/04	6	F	wild
V226/04	3	M	wild
V232/04	4	M	wild
V300/04	6	M	wild
300022	4	F	S
302034	2	F	S
303120	1	M	S
303121	1	M	S
303122	1	M	S
396517	8	M	S
303100	1	M	S
303101	1	F	S
303104	1	F	S
001004	3	F	NS
003017	1	M	NS
003021	1	F	NS
003023	1	M	NS
003024	1	M	NS
003029	1	M	NS
003033	1	F	NS
003087	1	F	NS
003088	1	M	NS
003025	1	M	NS
003027	1	M	NS

003091	1	M	NS
003092	1	F	NS
003028	1	F	NS
003078	1	F	NS
003079	1	F	NS
003093	1	F	NS
303105	1	M	F1
303107	1	M	F1
303108	1	M	F1
303110	1	M	F1
303109	7	M	F1
399066	5	F	F1
003063	1	M	BC
303034	1	M	BC
303035	1	M	BC
303036	1	M	BC
303038	1	F	BC
303039	1	F	BC

<sup>1</sup> = given in years

<sup>2</sup> = F (female), M (male)

<sup>3</sup> = wild, S (selected), NS (non-selected), F1 (cross between NS and S), BC (cross between F1 and NS).