



a single DNA reference sample were also amplified (as described above) to ensure that the amplification was functioning as expected. Following the addition of all sample or standard DNA and reagents, the plates were sealed with a MicroAmp Optical Adhesive film (Applied Biosystems, Foster City, CA) and centrifuged at 3,000 rpm for approximately 20 seconds.

All reactions were performed on the ABI 7500 Real-Time qPCR system. Both amplifications (telomere and 36B4) included a heat-activation step at 95°C for 10 minutes. For the telomere amplification, this was followed by 25 cycles of 95°C for 15 seconds and 54°C for one minute. For the 36B4 amplification, this was followed by 30 cycles of 95°C for 15 seconds, 58°C for one minute. Fluorescence data was collected during the annealing/extension steps of both reactions. The instrument was set to run in 9600 emulation mode with auto ramping. Resulting data was analyzed with ABI's SDS v1.2 software package using a manual  $C_t$  of 0.06 and the auto baseline setting. Telomere: 36B4  $C_t$  ratios and telomere length were calculated using Cawthon's (2002) formula.

Note that because the relative T/S is based on the average DCt of the sample included in the analyses, relative T/S changes slightly when the sample is changed. For example, if one regression model includes 300 women, each of these women will have a particular relative T/S ratio. However, for another regression model that includes only 250 women, each of these women will a slightly different relative T/S ratio.

#### Dataset contents

#	Variable	Type	Description
1	ARCHID	Char	Encrypted SWAN Subject ID
2	T	Num	Telomere amplification Ct
3	S	Num	36B4 (single copy gene) amplification Ct
4	_Ct	Num	$\Delta C_t$
5	T_S	Num	T/S
6	RelT_S	Num	Relative T/S
7	TRFLength	Num	TRF Length
8	AvgTrip_T_S	Num	Average of triplicate run, T/S
9	AvgTrip_RelT_S	Num	Average of triplicate run, Relative T/S
10	AvgTrip_RelT_S_sd	Num	Average of triplicate run, Relative T/S sd
11	AvgTrip_TRFLength	Num	Average of triplicate run, TRF length

T and S data are Ct values, using fixed thresholds of .06