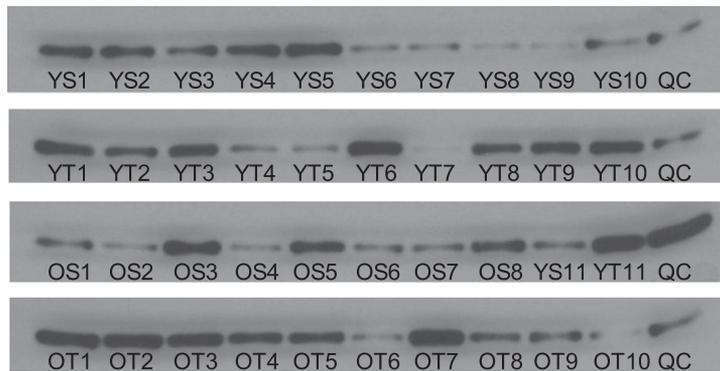
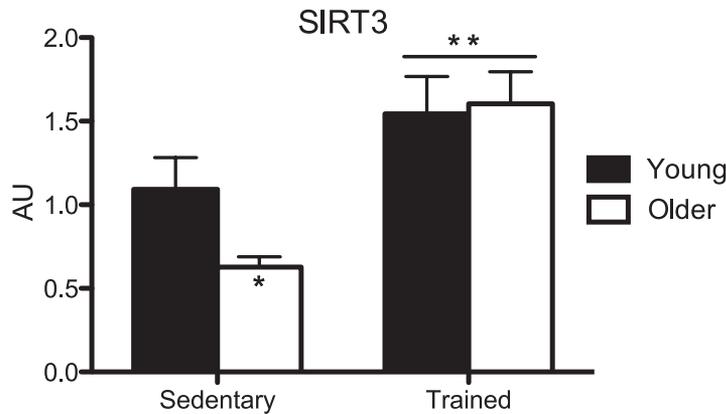


**Lanza IR, Short DK, Short KR, Raghavakaimal S, Basu R, Joyner MJ, McConnell JP, Nair KS. Endurance exercise as a countermeasure for aging. Diabetes 2008;57:2933–2942**

The original publication of the article listed above did not clearly state that the representative blots in Fig. 6 are composed of four separate images. As such, the reader may mistakenly presume that the representative bands in Fig. 6 were taken from contiguous lanes of a single blot as in Fig. 4.

The purpose of this corrigendum is, first, to clarify that the representative bands in the inset of Fig. 6 are taken from four different blots and, second, to provide additional explanation for this approach. SIRT3 expression was determined from a set of immunoblots where muscle lysates from the four subject groups were loaded onto 12-well gels, with each of the four groups on a different gel. To allow direct comparison of expression levels across different blots, lane 12 of each gel included a common quality control (QC) sample, consisting of a mixture of lysates from all samples. The optical density of each sample was normalized to the density of the corresponding QC for each blot. This normalization approach allowed direct comparison of groups across the four different blots by correcting for potential differences in electrophoresis, blotting, antibody incubations, chemiluminescence reagent, and film exposure time. The new Fig. 6 included here provides the SIRT3 bands for the entire dataset with corresponding densitometry values used to generate the plot in Fig. 6.

Since the time of the original publication of this article, the journal has adopted clear policies on presentation of representative bands from immunoblots, specifically that “the grouping of images from different parts of the same gel, or from different gels, fields, or exposures must be made explicit by the arrangement of the figure (i.e., using dividing lines) and in the text of the figure legend.” A link to this statement can be found here: <http://diabetes.diabetesjournals.org/site/misc/ifora.xhtml>.



Group	YS1	YS2	YS3	YS4	YS5	YS6	YS7	YS8	YS9	YS10	QC
OD	97438	101854	142043	88683	137113	90112	35724	30909	28407	47537	68769
relative to QC	1.42	1.48	2.07	1.29	1.99	1.31	0.52	0.45	0.41	0.69	1.00

Group	YT1	YT2	YT3	YT4	YT5	YT6	YT7	YT8	YT9	YT10	QC
OD	154535	110412	158734	115865	66175	185729	26603	116026	158481	246744	83075
relative to QC	1.86	1.33	1.91	1.39	0.80	2.24	0.32	1.40	1.91	2.97	1.00

Group	OS1	OS2	OS3	OS4	OS5	OS6	OS7	OS8	YS11	YT11	QC
OD	158300	134993	202018	60764	134475	148336	146347	128069	87369	192205	221916
relative to QC	0.71	0.61	0.91	0.27	0.61	0.67	0.66	0.58	0.39	0.87	1.00

Group	OT1	OT2	OT3	OT4	OT5	OT6	OT7	OT8	OT9	OT10	QC
OD	157927	160714	159812	112880	113180	94987	177856	89450	178493	27872	79404
relative to QC	1.99	2.02	2.01	1.42	1.43	1.20	2.24	1.13	2.25	0.35	1.00

**FIG. 6. Protein expression of SIRT3.** Protein expression of SIRT3 was lower with age in sedentary adults, with no effect of age in trained adults. Data are presented as means ± SEM. \*Pairwise comparisons revealed significant ( $P < 0.05$ ) effects of age within activity groups; \*\*significant ( $P < 0.05$ ) main effects of training.