

Supplementary Appendix

This appendix has been provided by the authors to give readers additional information about their work.

Supplement to: Mosher JT, Pemberton TJ, Harter K, et al. Lack of population diversity in commonly used human embryonic stem-cell lines. *N Engl J Med* 2010;362:183-5. DOI: [10.1056/NEJMc0910371](https://doi.org/10.1056/NEJMc0910371).

Supplementary Table. Human embryonic stem-cell lines evaluated.

Reference number	Cell line	Provider*	Country of provider	Geographic region(s) of most similar reference individual†
1	CCTL-6	Masaryk University	Czech Republic	N Eur/W Eur
2	CCTL-8	Masaryk University	Czech Republic	N Eur/W Eur
3	TE03 (I3)	National Stem Cell Bank / Technion	Israel	S Eur
4	ES02 (HES-2)	National Stem Cell Bank / ES Cell International	Singapore	E Asia
5	ES03 (HES-3)	National Stem Cell Bank / ES Cell International	Singapore	E Asia
6	ES05 (HES-5)	National Stem Cell Bank / ES Cell International	Singapore	N Eur/W Eur
7	ES06 (HES-6)	National Stem Cell Bank / ES Cell International	Singapore	N Eur/W Eur
8	VAL4	Spanish Stem Cell Bank / Prince Felipe Research Center	Spain	S Eur/W Eur
9	VAL5	Spanish Stem Cell Bank / Prince Felipe Research Center	Spain	S Eur
10	VAL7	Spanish Stem Cell Bank / Prince Felipe Research Center	Spain	S Eur
11	VAL10b	Spanish Stem Cell Bank / Prince Felipe Research Center	Spain	S Eur/W Eur
12	HUES2	Harvard University	USA	N Eur/W Eur
13	HUES3	Harvard University	USA	N Eur/W Eur
14	HUES4	Harvard University	USA	S Eur
15	HUES5	Harvard University	USA	W Eur
16	HUES6	Harvard University	USA	N Eur/W Eur
17	HUES7	Harvard University	USA	N Eur/W Eur
18	HUES8	Harvard University	USA	N Eur/W Eur
19	HUES10	Harvard University	USA	S Eur/W Eur
20	HUES12	Harvard University	USA	N Eur/W Eur
21	HUES14	Harvard University	USA	N Eur/W Eur
22	HUES16	Harvard University	USA	N Eur/W Eur
23	HUES17	Harvard University	USA	N Eur/W Eur
24	HUES18	Harvard University	USA	N Eur/W Eur
25	HUES19	Harvard University	USA	N Eur/W Eur
26	HUES20	Harvard University	USA	N Eur/W Eur
27	HUES21	Harvard University	USA	N Eur/W Eur
28	HUES22	Harvard University	USA	N Eur/W Eur
29	HUES23	Harvard University	USA	N Eur/W Eur
30	HUES24	Harvard University	USA	N Eur/S Eur/W Eur
31	HUES26	Harvard University	USA	N Eur/W Eur
32	HUES27	Harvard University	USA	N Eur/W Eur
33	HUES28	Harvard University	USA	N Eur/W Eur
34	HUES42	Harvard University	USA	N Eur/W Eur
35	HUES44	Harvard University	USA	N Eur/W Eur
36	HUES45	Harvard University	USA	N Eur/W Eur
37	HUES49	Harvard University	USA	S Eur/Middle East
38	HUES53	Harvard University	USA	N Eur/W Eur
39	HUES62	Harvard University	USA	N Eur/W Eur

Supplementary Table (continued).

Reference number	Cell line	Provider	Country of provider	Geographic region(s) of most similar reference individuals*
40	BG01 (BGN-01)	National Stem Cell Bank / Novocell	USA	N Eur/W Eur
41	BG03 (BGN-03)	National Stem Cell Bank / Novocell	USA	N Eur/W Eur
42	UC06 (HSF6)	National Stem Cell Bank / University of California, San Francisco	USA	S Eur/Middle East
43	WA01 (H1)	National Stem Cell Bank / WiCell	USA	N Eur/W Eur
44	WA07 (H7)	National Stem Cell Bank / WiCell	USA	S Eur/Middle East
45	WA09 (H9)	National Stem Cell Bank / WiCell	USA	S Eur
46	WA13 (H13)	National Stem Cell Bank / WiCell	USA	S Eur/Middle East
47	WA14 (H14)	National Stem Cell Bank / WiCell	USA	S Eur

*The HUES lines were generously provided by Doug Melton, and DNA from the UC06 line was obtained with the assistance of K. Sue O'Shea.

†A geographic region is listed for a stem-cell line if at least one individual from the reference set for that region is represented among the 10 individuals placed closest to the position of that stem-cell line in Figure 1B (Figure 1A for lines ES02 and ES03). Reference populations for which at least one individual appeared among the 10 closest individuals for at least one stem-cell line in Figure 1B include Basque (Western Europe), CEU (Northern and Western Europe), Druze (Middle East), French (Western Europe), Italian (Southern Europe), Orcadian (Northern Europe), Palestinian (Middle East), TSI (Southern Europe), and Tuscan (Southern Europe). Intermediate placement between southern European and Middle Eastern populations, as is apparent in Figure 1B for lines TE03, HUES49, UC06, WA07, WA09, WA13, and WA14, is compatible with Jewish ancestry (NM Kopelman *et al.* 2009 *BMC Genetics* 10:80; AC Need *et al.* 2009 *Genome Biology* 10:R7). For more precise inferred relationships among stem-cell lines and reference individuals, see Figure 1.