

Supplementary Table 1. Karyotype analysis of ES cell lines grown under different conditions.

CELL LINE	DATE	KARYOTYPE	CULTURE TYPE ¹
HES1P44	11/04	46XX	STANDARD
HES2P39	3/01	46XX	
HES2P89	4/04	46XX	
HES2P118	9/02	46XX	
HES3P8	4/01	46XX	
HES3P19	3/02	46XX	
HES3P21	4/03	46XX	
HES3P69	2/04	46XX	
HES3EGFPP61	12/03	46XX	
HES4P22	3/01	46XY	
HES4P56	2/04	46XY	
HES4P99	9/02	46XY	
HES5P13	12/01	46XY	
HES6P19	2/02	46XX	
HES2P51+28	1/04	46XX dup(1)(q21.1q32.1)	SR/MEF
HES2P57+22	12/03	46XX dup(1)(q21.1q32.1)	SR/MG
HES3P51+22	12/03	46XX	SR/MEF
HES3P55+10	1/04	MOSAIC 46XX; 47XX+12	SR/MEF
HES3 P37+32	5/05	46XX, t(1;6)(p22;q15)	SR/MEF
HES3P85+11	4/03	46XX	SR/MEF
HES4P32+11	1/04	46XY	SR/MEF
HES4P32+13	12/03	46XY	SR/MEF
HES4P41+11	1/04	46XY	SR/MEF
HES4P41+28	4/04	46XY	SR/MEF
HES4P57+18	5/05	46XY	SR/MEF

¹Standard culture conditions are growth in serum-containing medium in the presence of a mouse embryo fibroblast feeder cell layer with transfer by mechanical dissection of ES colonies. SR/MEF refers to culture in medium supplemented with Knockout Serum Replacer plus FGF-2 in the presence of a mouse embryo fibroblast feeder cell layer, with transfer using enzymatic harvest or cell dissociation buffer. SR/MG refers to a culture system using Knockout Serum Replacer plus FGF-2 and mouse embryo fibroblast conditioned medium and a Matrigel coated substrate; transfer is similar to SR/MEF.