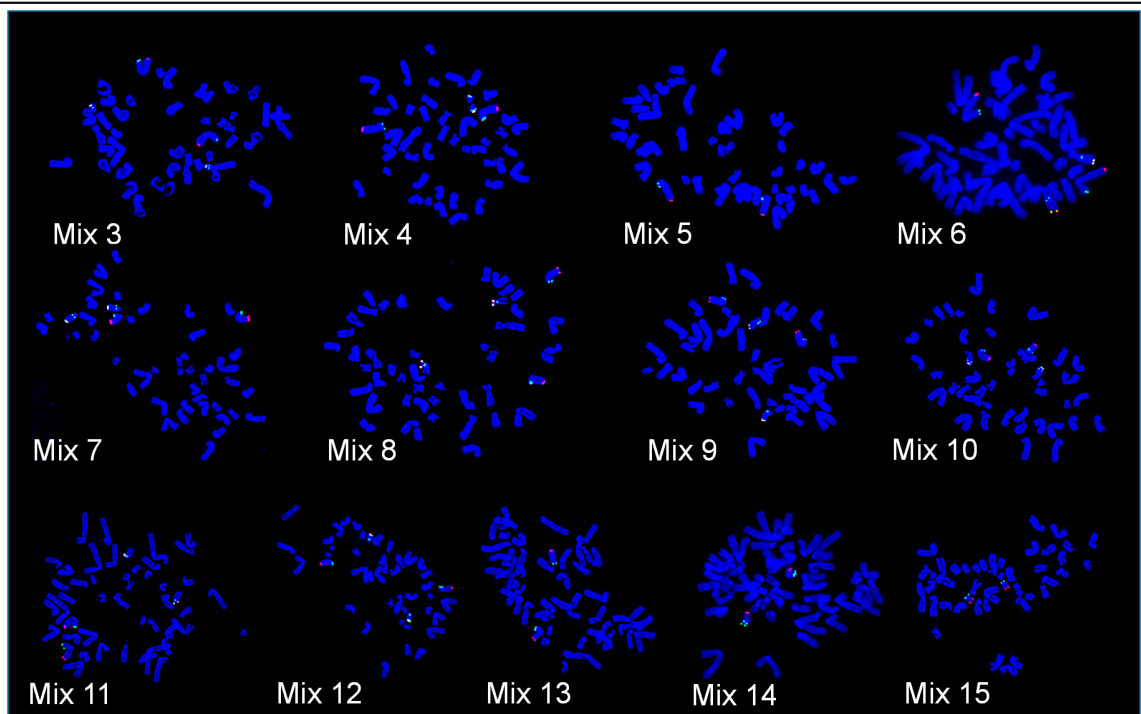


	ch 1	ch 2	ch 3	ch 4	ch 5	ch 6	ch 7	ch 8	ch 9	ch 10	ch 11	ch 12	ch 13	ch 14	ch 15	ch 16	ch 17	ch 18	ch 19	ch 20	ch 21	ch 22	ch X
1	11	22	33	44	55	66	77	88	99	1010	1111	1212	1313	1414	1515	1616	1717	1818	1919	2020	2121	2222	X
2	21	32	43	54	65	76	87	98	109	1110	1211	1312	1413	1514	1615	1716	1817	1918	2019	2120	2221	X	2
3	31	42	53	64	75	86	97	108	119	1210	1311	1412	1513	1614	1715	1816	1917	2018	2119	2220	X	3	3
4	41	52	63	74	85	96	107	118	129	1310	1411	1512	1613	1714	1815	1916	2017	2118	2219	X	4	4	4
5	51	62	73	84	95	106	117	128	139	1410	1511	1612	1713	1814	1915	2016	2117	2218	X	5	5	5	5
6	61	72	83	94	105	116	127	138	149	1510	1611	1712	1813	1914	2015	2116	2217	X	6	6	6	6	6
7	71	82	93	104	115	126	137	148	159	1610	1711	1812	1913	2014	2115	2216	X	7	7	7	7	7	7
8	81	92	103	114	125	136	147	158	169	1710	1811	1912	2013	2114	2215	X	8	8	8	8	8	8	8
9	91	102	113	124	135	146	157	168	179	1810	1911	2012	2113	2214	X	9	9	9	9	9	9	9	9
10	101	112	123	134	145	156	167	178	189	1910	2011	2112	2213	X	10	10	10	10	10	10	10	10	10
11	111	122	133	144	155	166	177	188	199	2010	2111	2212	X	11	11	11	11	11	11	11	11	11	11
12	121	132	143	154	165	176	187	198	209	2110	2211	X	12	12	12	12	12	12	12	12	12	12	12
13	131	142	153	164	175	186	197	208	219	2210	X	13	13	13	13	13	13	13	13	13	13	13	13
14	141	152	163	174	185	196	207	218	229	X	14	14	14	14	14	14	14	14	14	14	14	14	14
15	151	162	173	184	195	206	217	228	X	15	15	15	15	15	15	15	15	15	15	15	15	15	15
16	161	172	183	194	205	216	227	X	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
17	171	182	193	204	215	226	X	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
18	181	192	203	214	225	X	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
19	191	202	213	224	X	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
20	201	212	223	X	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
21	211	222	X	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
22	221	X	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
23	231	X	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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25	251	X	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
26	261	X	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
27	271	X	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
28	281	X	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
29	291	X	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
30	301	X	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30

Supplemental Figure S1. Comparison of 30 karyograms of HUVECs analyzed by G-banding.



Supplemental Figure S2. Signal patterns for ToTelVysion mixes 3-15 (See Table 1 for the details)



Supplemental Figure S3. Comparison of 15 classified SKY cells with subsequent hybridization using ToTelVysion mix 2 showing a normal Xq ter.



Supplemental Figure S4. Comparison of 15 classified SKY cells with subsequent hybridization with ToTelVysion mix 2 showing a deletion of one Xq homologue in each cell.