

Supplementary Table S1. Percent similarity for each pair of cell lines using stringent definition of "identical" alleles (exact match).

Tissue of Origin: Cell Line	BR:BT-549	BR:HS578T	BR:MCF7	BR:MDA-MB-231	BR:T47D	CNS:SF-268	CNS:SF-295	CNS:SF-539	CNS:SNB-19	CNS:SNB-75	CNS:U251	CO:CO-HCT-116	CO:COLO205	CO:HCC-2998	CO:HCT-15	CO:HT29	CO:KM12	CO:SW-620	C:A549-ATCC	C:EKVX	C:HOP-62	C:HOP-92	C:NCI-H226	C:NCI-H23	C:NCI-H322M	C:NCI-H460	C:NCI-H522	LE:CCRF-CEM	LE:HL-60	LE:K-562	LE:RPMI-8226	LE:SR	
BR:BT-549	100	34	28	19	6	28	25	9	28	25	25	19	19	16	19	16	16	13	25	38	22	38	25	19	16	25	22	25	19	31	28	22	
BR:HS578T	34	100	25	31	25	38	28	25	44	19	47	28	16	34	31	38	16	28	38	31	34	22	50	25	28	28	38	38	31	34	38	28	
BR:MCF7	28	25	100	28	25	28	28	22	22	34	22	19	22	28	6	38	22	25	47	28	34	41	25	34	16	13	25	19	31	28	22	31	
BR:MDA-MB-231	19	31	28	100	28	16	28	19	31	28	31	13	25	28	25	22	22	25	28	22	28	31	34	22	22	22	28	22	34	31	21	22	
BR:T47D	6	25	25	28	100	13	22	34	16	25	19	19	25	28	16	31	19	28	34	13	28	22	9	28	34	19	13	44	28	16	25	28	
CNS:SF-268	28	38	28	16	13	100	16	13	38	25	34	25	22	25	31	34	16	22	41	34	34	25	34	19	31	25	19	28	13	22	25	41	
CNS:SF-295	25	28	28	28	22	16	100	16	34	31	38	28	28	34	19	13	22	25	28	25	31	34	25	28	19	22	38	25	28	31	38	31	
CNS:SF-539	9	25	22	19	34	13	16	100	19	28	19	22	19	31	19	38	19	22	19	16	28	22	16	34	41	22	25	22	34	25	19	13	
CNS:SNB-19	28	44	22	31	16	38	34	19	100	25	78	16	25	25	38	31	13	19	44	38	25	28	41	16	28	25	25	25	22	31	41	25	
CNS:SNB-75	25	19	34	28	25	25	31	28	25	100	19	31	41	28	25	38	19	28	22	22	34	44	16	38	22	34	28	25	38	34	31	25	
CNS:U251	25	47	22	31	19	34	38	19	78	19	100	22	19	28	38	28	16	25	47	38	28	19	34	13	28	28	22	22	22	28	34	38	
CO:CO-HCT-116	19	28	19	13	19	25	28	22	16	31	22	100	28	28	19	28	16	19	31	13	34	25	28	25	34	28	25	22	28	19	13	28	
CO:COLO205	19	16	22	25	25	22	28	19	25	41	19	28	100	16	22	25	19	41	25	25	34	31	19	22	13	25	38	22	22	22	31	19	
CO:HCC-2998	16	34	28	28	28	25	34	31	25	28	28	16	100	31	41	16	16	28	28	22	28	41	25	31	19	22	16	28	31	22	19	19	
CO:HCT-15	19	31	6	25	16	31	19	19	38	25	38	19	22	31	100	28	16	19	28	31	22	16	25	16	38	28	22	19	38	19	25	25	
CO:HT29	16	38	38	22	31	34	19	38	31	38	28	28	25	41	28	100	34	16	25	22	44	31	28	34	41	31	19	34	31	28	28	38	
CO:KM12	16	16	22	22	19	16	13	19	13	19	16	16	19	16	16	34	100	25	19	19	25	19	19	19	22	22	25	16	22	16	16	28	
CO:SW-620	13	28	25	25	28	22	22	22	19	28	25	19	41	16	19	16	25	100	31	28	34	28	19	31	9	16	25	31	38	25	34	25	
C:A549-ATCC	25	38	47	28	34	41	25	19	44	22	47	31	25	28	28	25	19	31	100	34	38	31	41	13	31	19	28	22	28	28	34	41	
C:EKVX	38	31	28	22	13	34	28	16	38	22	38	13	25	22	31	22	19	28	34	100	31	38	34	28	16	38	16	16	28	34	28	34	
C:HOP-62	22	34	34	28	28	34	31	28	25	34	28	34	34	28	22	44	25	34	38	31	100	41	19	34	41	31	28	28	34	22	31	41	
C:HOP-92	38	22	41	31	22	25	34	22	28	44	19	25	31	41	16	31	19	28	31	38	41	100	28	38	19	19	25	19	22	22	19	13	
C:NCI-H226	25	50	25	34	9	34	25	16	41	16	34	28	19	25	25	28	19	19	41	34	19	28	100	25	31	34	28	19	19	28	22	22	
C:NCI-H23	19	25	34	22	28	19	28	34	16	38	13	25	22	31	16	34	19	31	13	28	34	38	25	100	28	28	28	38	28	28	22	22	
C:NCI-H322M	16	28	16	22	34	31	19	41	28	22	28	34	13	19	38	41	22	9	31	16	41	19	31	28	100	38	28	31	25	22	34		
C:NCI-H460	25	28	13	22	19	25	22	22	25	34	28	28	25	22	28	31	22	16	19	38	31	19	34	28	38	100	25	28	28	31	22	28	
C:NCI-H522	22	38	25	28	13	19	38	25	25	28	22	25	38	16	22	19	25	25	28	16	28	25	28	28	25	100	19	19	28	31	28	22	
LE:CCRF-CEM	25	38	19	22	44	28	25	22	25	25	22	22	28	19	34	16	31	22	16	28	19	19	38	28	28	19	100	19	19	25	38	19	
LE:HL-60	19	31	31	34	28	13	28	34	22	38	22	28	22	31	38	31	22	38	28	28	34	22	19	28	31	28	28	19	100	44	31	34	
LE:K-562	31	34	28	31	16	22	31	25	31	34	28	19	22	22	19	28	16	25	28	34	22	22	28	28	25	31	31	19	44	100	25	19	
LE:RPMI-8226	28	38	22	31	25	25	38	19	41	31	34	13	31	19	25	28	16	34	34	28	31	19	22	28	22	22	28	25	31	25	100	38	19
LE:SR	22	28	31	22	28	41	31	13	25	25	38	28	19	19	25	38	28	25	41	34	41	13	22	22	34	28	22	38	34	19	38	100	
ME:LOXIMVI	25	28	28	22	31	25	34	25	22	19	19	9	22	31	28	22	28	19	38	25	31	22	19	25	34	16	41	28	25	28	38	34	
ME:M14	13	31	28	28	41	41	34	25	38	31	31	22	28	31	19	41	22	47	28	28	44	41	31	34	28	28	16	47	31	28	34	47	
ME:MALME-3M	25	28	22	31	19	41	19	13	34	22	41	16	28	13	28	25	19	28	41	31	53	19	25	22	31	34	22	22	31	28	38	47	
ME:MDA-MB-435	13	25	28	28	44	34	31	28	34	34	28	22	28	25	19	44	28	41	25	25	47	41	22	34	31	28	13	44	31	25	34	47	
ME:MDA-N	13	25	28	28	44	34	31	28	34	34	28	22	28	25	19	44	28	41	25	25	47	41	22	34	31	28	13	44	31	25	34	47	
ME:SK-MEL-2	19	34	19	22	13	34	25	13	22	28	22	34	16	25	25	25	25	13	28	22	28	19	31	31	25	31	25	25	34	22	28	38	
ME:SK-MEL-28	22	34	25	25	22	22	19	22	25	16	22	9	22	31	25	28	19	25	25	22	25	28	25	31	28	19	25	28	19	19	41	25	
ME:SK-MEL-5	19	38	25	19	38	16	34	28	31	28	38	25	34	25	34	16	16	25	31	28	25	19	31	28	28	22	28	28	31	34	31	22	
ME:UACC-257	9	28	16	22	25	9	31	31	19	28	25	22	19	31	34	16	16	31	9	22	28	13	22	34	22	31	19	25	41	19	31	16	
ME:UACC-62	13	28	28	25	44	19	38	31	19	28	16	25	22	38	9	31	22	28	28	19	31	31	38	41	31	22	28	34	25	25	31	19	
OV:IGROV1	22	28	19	31	22	22	22	31	19	28	22	16	31	31	28	25	19	22	22	22	28	28	25	25	28	28	25	25	31	34	22		

Supplementary Table S1 (cont'd). Percent similarity for each pair of cell lines using stringent definition of "identical" alleles (exact match).

Tissue of Origin: Cell Line	ME:LOXIMVI	ME:M14	ME:MALME-3M	ME:MDA-MB-435	ME:MDA-N	ME:SK-MEL-2	ME:SK-MEL-28	ME:SK-MEL-5	ME:UACC-257	ME:UACC-62	OV:IGROV1	OV:OVCAR-3	OV:OVCAR-4	OV:OVCAR-5	OV:OVCAR-8	OV:OVCAR-8/ADR	OV:SK-OV-3	PR:DU-145 (ATCC)	PR:DU-145	PR:PC-3	PR:RC0.1	RE:786-0	RE:A498	RE:ACHN	RE:CAKI-1	RE:RXF-393	RE:SN12C	RE:TK-10	RE:UO-31	
BR:BT-549	25	13	25	13	13	19	22	19	9	13	22	22	19	25	16	19	25	6	6	16	9	22	16	19	25	13	34	19	22	
BR:HS578T	28	31	28	25	25	34	34	38	28	28	28	41	28	31	22	19	34	13	13	41	13	41	28	28	34	22	25	38	34	
BR:MCF7	28	28	22	28	28	19	25	25	16	28	19	19	25	38	25	22	22	25	25	34	22	28	16	19	41	19	31	16	34	
BR:MDA-MB-231	22	28	31	28	28	22	25	19	22	25	31	22	19	31	22	19	22	22	22	31	22	31	25	28	22	28	19	22	22	
BR:T47D	31	41	19	44	44	13	22	38	25	44	22	19	28	28	28	28	19	13	16	28	19	22	41	38	31	34	22	28	28	
CNS:SF-268	25	41	41	34	34	34	22	16	9	19	22	28	25	22	13	13	25	25	25	25	25	16	22	22	22	16	19	28	31	
CNS:SF-295	34	34	19	31	31	25	19	34	31	38	22	25	25	31	31	28	19	25	25	22	22	31	28	38	38	31	22	22	31	
CNS:SF-539	25	25	13	28	28	13	22	28	31	31	31	31	25	28	34	34	19	9	13	28	13	22	28	38	28	38	31	22	31	
CNS:SNB-19	22	38	34	34	34	22	25	31	19	19	19	44	31	31	19	16	28	19	19	19	19	31	34	19	22	19	16	38	38	
CNS:SNB-75	19	31	22	34	34	28	16	28	28	28	28	31	31	34	28	28	25	22	22	16	16	19	19	53	38	38	34	19	34	
CNS:U251	19	31	41	28	28	22	22	38	25	16	22	38	28	28	19	16	31	19	19	19	19	38	31	16	22	19	19	31	31	
CO:CO-HCT-116	9	22	16	22	22	34	9	25	22	25	16	28	22	25	25	19	28	28	22	19	25	22	31	31	21	28	28	19	22	
CO:COLO205	22	28	28	28	28	16	22	34	19	22	31	31	19	34	19	16	16	28	28	22	25	25	25	34	22	31	28	25	13	
CO:HCC-2998	31	31	13	25	25	25	31	25	31	38	31	31	25	31	28	28	31	16	16	28	19	25	38	34	34	25	22	34	25	
CO:HCT-15	28	19	28	19	19	25	25	34	34	9	28	28	16	25	22	22	34	25	25	22	22	34	34	34	28	22	25	44	28	
CO:HT29	22	41	25	44	44	28	28	34	16	31	25	53	25	31	38	38	25	13	13	38	9	25	34	34	44	25	38	41	34	
CO:KM12	28	22	19	28	28	25	19	16	16	22	19	22	19	22	13	13	13	22	25	25	22	16	16	16	16	25	19	19	22	
CO:SW-620	19	47	28	41	41	13	25	25	31	28	22	22	22	31	22	19	13	34	38	34	34	31	22	34	19	34	19	22	28	
LC:A549-ATCC	38	28	41	25	25	28	25	31	9	28	22	19	25	41	13	9	28	34	34	38	34	34	31	16	28	25	22	28	31	
LC:EKVX	25	28	31	25	25	22	22	28	22	19	22	28	19	28	22	19	25	22	22	19	22	31	19	25	25	19	31	22	22	
LC:HOP-62	31	44	53	47	47	28	25	25	28	31	28	41	28	31	38	38	28	22	25	34	22	38	38	41	41	41	31	25	34	
LC:HOP-92	22	41	19	41	41	19	28	19	13	31	28	38	28	38	31	34	34	25	28	13	28	31	28	34	34	28	28	19	25	
LC:NCI-H226	19	31	25	22	22	31	25	31	22	38	25	34	16	25	25	22	28	22	25	28	25	34	19	25	28	16	16	28	22	
LC:NCI-H23	25	34	22	34	34	31	31	28	34	41	25	25	31	38	31	31	22	13	16	41	16	28	34	41	31	47	34	16	28	
LC:NCI-H322M	34	28	31	31	31	25	28	28	22	31	28	34	25	22	38	38	25	25	28	28	28	22	44	34	34	38	38	28	22	
LC:NCI-H460	16	28	34	28	28	31	19	22	31	22	28	34	19	25	25	25	19	13	13	25	13	34	19	38	31	22	38	16	13	
LC:NCI-H522	41	16	22	13	13	25	25	28	19	28	25	31	16	28	25	22	22	22	22	38	22	38	22	22	34	31	19	19	25	
LE:CCRF-CEM	28	47	22	44	44	25	28	28	25	34	25	22	31	22	34	34	22	25	25	44	22	25	31	34	28	34	25	19	22	
LE:HL-60	25	31	31	31	31	34	19	31	41	25	31	19	22	38	34	31	22	25	25	44	22	25	44	25	41	50	44	44	31	31
LE:K-562	28	28	28	25	25	22	19	34	19	25	34	25	25	34	22	19	28	13	13	31	16	38	22	41	31	16	41	31	25	
LE:RPMI-8226	38	34	38	34	34	28	41	31	31	31	22	19	28	31	19	16	22	19	19	34	19	19	31	31	31	38	25	31	34	
LE:SR	34	47	47	47	47	38	25	22	16	19	19	16	22	25	25	22	22	34	34	38	28	38	28	25	38	28	34	13	28	
ME:LOXIMVI	100	22	28	22	22	31	28	38	25	41	28	19	34	28	16	16	28	22	22	28	25	22	34	25	28	28	41	22	25	28
ME:M14	22	100	28	91	91	22	25	25	25	44	19	38	28	28	41	41	34	28	31	38	28	34	38	44	34	25	28	22	38	
ME:MALME-3M	28	28	100	28	28	25	25	19	28	16	22	22	19	25	19	19	19	16	16	22	16	31	19	22	28	28	31	25	28	
ME:MDA-MB-435	22	91	28	100	100	16	25	22	19	38	22	38	25	28	44	44	38	25	28	38	25	28	38	47	38	28	31	19	38	
ME:MDA-N	22	91	28	100	100	16	25	22	19	38	22	38	25	28	44	44	38	25	28	38	25	28	38	47	38	28	31	19	38	
ME:SK-MEL-2	31	22	25	16	16	100	22	31	28	25	22	25	28	16	16	16	19	19	19	34	19	38	16	22	28	31	16	16	19	
ME:SK-MEL-28	28	25	25	25	25	22	100	28	16	25	19	19	28	31	25	22	13	28	28	34	28	31	22	16	25	34	16	22	28	
ME:SK-MEL-5	38	25	19	22	22	31	28	100	38	31	31	28	25	25	19	16	22	22	22	22	22	34	28	34	41	22	38	44	25	
ME:UACC-257	25	25	28	19	19	28	16	38	100	25	31	25	25	25	22	22	22	19	19	28	19	25	22	44	25	34	22	25	16	
ME:UACC-62	41	44	16	38	38	25	25	31	25	100	22	31	44	31	34	34	22	16	19	38	22	28	38	34	34	41	22	25	25	
OV:IGROV1	28	19	22	22	22	22	19	31	31	22	100	25	28	34	19	19	31	28	28	25	19	22	28	28	28	34	31	22	25	
OV:OVCAR-3	19	38	22	38	38	25	19	28	25	31	25	100	28	22	34	34	31	6	9	25	9	25	38	34	38	19	22	31	28	
OV:OVCAR-4	34	28	19	25	25	28	28	25	25	44	28	28	100	44	19	19	19	22	22	34	22	22	34	13	16	44	34	25	41	
OV:OVCAR-5	28	28	25	28	28	16	31	25	25	31	34	22	44	100	19	19	22	38	38	28	34	28	31	22	28	44	41	22	44	
OV:OVCAR-8	16	41	19	44	44	16	25	19	22	34	19	34	19	19	100	97	22	19	22	31	19	22	25	41	41	31	13	13	28	
OV:OVCAR-8/ADR	16	41	19	44	44	16	22	16	22	34	19	34	19	19	97	100	22	16	19	28	16	19	25	41	41	31	13	13	28	
OV:SK-OV-3	28	34	19	38	38	19	13	22	22	22	31	31	19	22	22	22	100	16	16	28	16	25	41	31	28	19	22	28	19	
PR:DU-145 (ATCC)	22	28	16	25	25	19	28	22	19	16	28	6	22	38	19	16	16	100	94	28	78	22	16	22	19	25	19	25	13	31
PR:DU-145	22	31	16	28	28	19	28	22	19	19	28	9	22	38	22	19	16	94	100	28	84	22	19	25	19	25	19	13	31	
PR:PC-3	28	38	22	38	38	34	34	22	28	38	25	25	34	28	31	28	28	28	28	100	28	38	25	28	34	38	28	16	25	
PR:RC0.1	25	28	16	25	25	19	28	22	19	22	19	9	22	34	19	16	16	78	84	28	100	22	22	28	22	22	16	19	25	
RE:786-0	22	34	31	28	28	38	31	34	25	28	22	25	22	28	22	19	25	22	22	38	22	100	25	25	41	34	3			